

HZ/RC/TE ✓  
OKD990750960 ✓

OCT 22 2009  
Scanned  
LOER Oversight

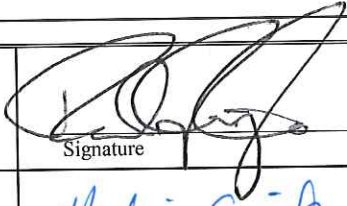
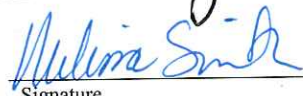


EPA REGION 6  
CORRECTIVE ACTION & COMPLIANCE INSPECTION SECTION  
HAZARDOUS WASTE ENFORCEMENT BRANCH

**TRIP REPORT**

**Note:** This is a trip report that comprises the attached Oklahoma State Inspection Report.

Report Date:	May 27, 2009
Inspection Date:	April 27-30, 2009 (onsite) and May 7, 2009 (teleconference)
Type of Inspection:	RCRA Compliance Evaluation Inspection ( <b>LQG/TSD</b> )
Company's Name:	Sinclair Oil Corporation
Facility's Name	Sinclair Tulsa Refining Company
RCRA ID #	OKD990750960
Physical Address:	907 West 25th Street, Tulsa, OK 74107
Mailing Address:	907 West 25th Street, Tulsa, OK 74107
Contact:	Steve Moyer – EHS Manager
Type of Industry:	Petroleum Refinery
NAICS Codes:	324110
Date ICIS form submitted	May 8, 2009

EPA Inspector(s):	Paul D. James, Jr. (6EN-HC)	 Signature	10/22/09 Date
Peer Reviewed by:	Melissa Smith 6EN-HC	 Signature	7/17/09 Date
Enforcement Review by:		_____ Signature	_____ Date

draft 22

### Introduction:

On March 28, 2009, I (Paul James) of the United States Environmental Protection Agency (EPA) accompanied T. Jonathan King of the Waste Management Division (WMD) of the Oklahoma Department of Environmental Quality (ODEQ) on a Compliance Evaluation Inspection (CEI) at Sinclair Tulsa Refining Company (Sinclair) in Tulsa, Oklahoma. The purpose of the CEI was to evaluate whether Sinclair was in compliance with Oklahoma Hazardous Waste Management Act (OHWMA), the Oklahoma Solid Waste Management Act (OSWMA), the Oklahoma Hazardous Waste Regulations (Oklahoma Administrative Code [OAC] 252:205) and the Code of Federal Regulations (40 CFR 260- 279) by reference as authorized under the Federal Resource Conservation and Recovery Act (RCRA). Mr. King and I presented our credentials and stated the purpose of the inspection to Mr. Steve Moyer, Sinclair's Environmental Health and Safety (EHS) Manager. During the entrance briefing, Mr. Moyer introduced us to the refinery manger and Sinclair's environmental staff (listed below).

The table below lists inspection participants:

Participant	Title	Phone #
T. Jonathan King	Lead Inspector – Oklahoma DEQ	405.702.5178
Paul D. James	Enforcement Officer – US EPA Region VI	214.665.6445
Steve Moyer	Sinclair – EHS Manager	918.584.5025
Mike Bellinger	Sinclair – Refinery Manger	918.584.5025
Victoria Potratz	Sinclair – Environmental Engineer	918.584.5025
Karim Assaf	Sinclair – Senior Environmental Engineer	918.584.5025
Donald Spear	Sinclair –Environmental Technician	918.584.5025

As the entrance briefing continued, Mr. King stated to Sinclair's inspection participants that the inspection was ODEQ's annual RCRA CEI and that the EPA was a team member for the event. Mr. King then asked for an updated process/facility map of the refinery, any changes with operations, and description of Sinclair's refinery process and units. Sinclair's environmental staff gave us a general overview of the refinery's current operation status and the units being utilized, past operations, current and future capital improvements, and the status on the land treatment units under RCRA corrective action.

### Facility Description:

The refinery began operations in the early 1900's by the Texas Company (later Texaco, Inc.) and was purchased by Sinclair Oil Corp. in August, 1983. This facility refines up to 75,000 barrel-per-day producing gasoline, diesel, fuel/heating oils, and asphalt. Production units consists of crude distillation (fractionation column), catalytic (catalyst regenerator), cracking, reforming, alkylation, and isomerization.

## Facility Tour:

Please note on April 27, 2009, one day prior to EPA and ODEQ entry to Sinclair, I inspected the public land (Tulsa Riverside Park) between Sinclair and the Arkansas River for any environmental impacts (e.g. seeps, stains and/or sheens). During past inspections/investigations, this stretch of land has been an area of concern, but no concerns were noted during my inspection. It was observed that the river was running high with its water high on its banks, and Sinclair's wastewater plant outfall was unable to be located- apparently under the high running water.

The site tour took place April 28-30, 2009. During the first day, ODEQ Air, ODEQ Water and OSHA had concurrent inspections being conducted unannounced to us prior to our inspection. Because of this, initially only Mr. Assaf and Mr. Spear accompanied us during the facility tour. Prior to the tour, Mr. King and I were given time to watch a health and safety training video regarding Sinclair's operations.

Below are the areas inspected, and potential concerns noted during the facility tour:

### April 28, 2009

1. Old Machine Shop (not currently used):
  - Trashcan noted with oily debris contents (no lid, unlabeled).
2. Former Shipping and Receiving Building (not currently used):
  - Unlabeled 5 gallon buckets (collecting rainwater with potential residues remaining in bucket)
  - Dented solvent and glass cleaner found (potentially left behind by contractors)
  - Unused lube oil and paints found on pallet (potentially left behind by contractors)
  - Fluorescent tube light found without accumulation date on box
3. Maintenance Shop:
  - Filters from welding fume filtration units require hazardous waste determination
4. Area between Maintenance Shop and Power House:
  - 55 gallon drum of used oil with the label "Waste Oil"
  - Large plastic tote with unknown content
5. Laboratory and Laboratory Storage Building:
  - Poor housekeeping
  - Fluorescent light discovered in trash can
  - Unlabeled drum with oily rags and broken lab bottles (lab's storage building)
  - Unlabeled rusted bucket with unknown content (outside of lab)

6. Buelly Building (storage for environmental sampling):
  - Leaking off-spec chemicals in incompatible containers.
  - Investigation derived waste not contained and waste determination unknown
7. Boiler House – Steam Generation
8. Old Pump House No. 2
  - Oily waste with spent hydrotreating catalyst (K171) found on ground under valves and pipes
  - Oily waste with spent hydrotreating catalyst (K171) from clean-out of pump #491
  - Oily waste with spent hydrotreating catalyst (K171) from clean-out of pump #NP
  - Drums of different products and waste are not organized
9. Nonhazardous Waste Accumulation Area
  - Drums staged for pending analysis should be considered hazardous until determined otherwise.

April 29, 2009

10. Crude Distillation Unit
  - K171 listed waste going into sewer line to industrial waste water treatment.
11. Barometric Vent Gas System (closed in 1989)
  - Large cement basins (acted as oil/water separators) of unknown contents (liquids and sediments)
12. Former Gas Plant - knocked down and removed (including contaminated soils)
13. Former Linde Unit - knocked down and removed (including contaminated soils)
14. Industrial Waste Water Treatment Plant
  - Concrete walled open air API with cracking and crumbling walls
15. Hazardous Waste 90-day Storage Building
16. Walnut Grove Land Treatment Unit (LTU)
  - No longer disposed hazardous waste and mistakenly allowed permit to expire.
  - Monitoring wells surface completion in poor condition with no locks or caps (Title 785 of the Oklahoma Administrative Code)
17. Flare Area and Flare Area LTU

- Old Flare Drum No. 1 vessel with unknown content(s)
- Old Flare Drum No. 1 containment with unknown content(s)
- Monitoring wells surface completion in poor condition with no locks or caps (Title 785 of the Oklahoma Administrative Code)

April 30, 2009

18. Bundle Pad

- Stained soil east of clean-out sump
- Leaking cold joint on northeast corner of clean-out sump

19. Remaining production units including catalytic (catalyst regenerator), cracking, reforming, alkylation and isomerization areas (windshield tour)

Concerns noted during the site tour and are listed in the Areas of Concern of this report.

**Facility File Review:**

Mr. King and I requested the following documents for the records review from Sinclair:

- All hazardous waste manifests since 2006
- Manifests and LDR from 2006 and 2007 to show records have been kept on-site for 3 years
- Land Disposal Restriction (LDR) forms for all waste streams listed on hazardous waste manifests
- Evidence of waste determinations, profiles (lab analysis or knowledge of process, such as copies of Material Safety Data Sheets) for all wastes included on manifests since 2006
- Training records (40 CFR 265.14) for employees who manage hazardous wastes, containing:
  - (1) job title & name of each employee for all positions related to HW management;
  - (2) a written job description for each position related to HW management, to include requisite skill, education, or other qualifications; and
  - (3) a written description of the type and amount of introductory and continuing education to be provided to the employee in each position
- Documentation that the facility has provided local authorities (fire dept. & police) with facility layout, properties of hazardous waste (MSDS), and road entrances and evacuation routes
- Documentation that facility has made agreements with emergency response contractors & equipment suppliers
- Documentation that facility has provided local hospitals with properties of hazardous waste handled and types of injuries possible (MSDS)
- Universal waste shipping papers

- Non-Hazardous Industrial Waste (NHIW) paperwork

If concerns were noted during the file review, they are listed in the Areas of Concern of this report.

### **Analytical Sampling**

During this inspection, a liquid sample was collected from the effluent from the waste water treatment plant. The sample was split with Sinclair. Analyses requested were Total volatile organic compounds (VOC) (EPA Method 8260B), Total Semi-VOC (EPA Method 8270C), and Total RCRA-8 Metals (EPA Method 6010B). Samples were hand delivered by Mr. King to ODEQ Laboratory in Oklahoma City. Sample results are provided in ODEQ's Report of Analysis presented in Attachment C of this report.

After review, all results were determined to be below laboratory detection limits and/or below *Title 785- Oklahoma Water Resources Board, Chapter 45- Oklahoma's Water Quality Standards, Appendix G - Numerical Criteria to Protect Beneficial Uses*.

### **Exit Interview:**

Once the records review activities were completed, Mr. King and I discussed with Mr. Moyer, Mr. Bellinger, Ms. Potratz, Mr. Assaf, and Mr. Spear our observations during the inspection. DEQ's and EPA's concerns were documented, photographed and referenced in the attached DEQ Inspection Report. Sinclair agreed to address the concerns, if not already corrected.

### **Areas of Concern:**

#### *40 CFR 262.11 – Hazardous waste determination for each solid waste*

Hazardous waste determination was not conducted on the following items:

- i. Oil contaminated debris in "Old Maintenance Shop" trash.
- ii. Used light fixtures and paint in the Shipping and Receiving Building.
- iii. Waste from filter cleanout stored on 4' x 4' catch pans in Power House #2.
- iv. Waste in secondary containment area at Power House #2 pipe manifold section.
- v. Waste in former Barometric tanks west of Crude Unit.
- vi. Waste in flooded basement and Old Flare Drum No. 1 vessel in abandoned building.
- vii. Waste in open piping adjacent to abandoned building in flair area.
- viii. Stained soil east of Bundle Pad's clean-out sump.

#### *40 CFR 279.22(c)(1) –Labeling of used oil containers*

One 250-gallon tote of used oil was not labeled and was observed on the north side of the boiler house.

*OAC 252:205-5-4 & 9-1 / 40 CFR 272.34(a)(4) → 265.31 – Universal Waste Management: Accumulation Time Limits*

During the inspection, it was noted that Sinclair was unable to demonstrate the amount of time universal wastes have accumulated (such as through labeling containers, maintaining an inventory system, handling universal wastes separately from other wastes, or another method that clearly identifies the amount of time they have accumulated).

*40 CFR 270.30(b) – Duty to Reapply under Permit Condition (Subpart C)*

It was revealed during the inspection that Sinclair allowed the Walnut Grove LTU permit (OP940750960) lapse. It was assumed by Sinclair that the permit was not required since they no longer place hazardous waste in the LTU. Unknown to Sinclair, closure, post-closure and the Hazardous and Solid Waste Act (HSWA) are tied to the permit, and therefore the permit should have been renewed.

**Non-RCRA Area of Concerns**

During the facility tour of the Industrial Waste Water Treatment Plant and the LTUs, it was noted that the associated monitoring wells and piezometers were in poor condition with missing locking caps and/or missing surface protective casing. This was brought to the attention to Ms. Potratz, but she believed at the time that this was not a concern. Below are the OAC 785 requirements that are enforced by the Oklahoma Water Resource Board and should be incorporated in the provisions of Sinclair's RCRA permits:

**785:35-7-1.** Minimum standards for construction of groundwater wells, fresh water observation wells, and water well test holes (a) General requirements... (3) Proper maintenance, plugging and capping. The well driller and/or the well owner are charged with the responsibility of taking whatever steps are reasonable in a particular situation to guard against waste and contamination of the groundwater resources, and to see that unused wells are properly capped or plugged.

**785:35-7-2.** Minimum standards for construction of monitoring wells and geotechnical borings... (8) Top cap requirements. (A) A threaded or flange cap or compression seal shall be installed upon completion of the well to prevent unauthorized use of the well (e.g. tampering with the well or the entrance of foreign material into the well). (B) The cap or seal shall have the capability of being locked if the well is flush mounted and the well protector is not capable of being locked. (9) Monitoring well and site assessment observation well protection. Protection shall be provided for the casing of monitoring wells or site assessment observation wells by either of the following methods: (A) An aluminum or steel surface casing shall be set a minimum of 12 inches through the cement or concrete surface pad and shall extend a minimum of 24 inches above the pad or ground. The top of the protective casing shall be fitted with a locking cap and shall be marked to clearly identify the well as a monitoring well or site assessment observation well...

**List of Attachments/Addendum**

- ATTACHMENT A ODEQ Inspection Reports: Forms 205-001, 205-002 and 205-006
- ATTACHMENT B ODEQ Photographic Log
- ATTACHMENT C ODEQ Analytical Report
- ATTACHMENT D Sinclair's Hazardous Waste Generation Table



**ATTACHMENT A**  
**ODEQ Inspection Reports**  
**Report Form 205-001**  
**Report Form 205-002**  
**Report Form 205-006**

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
LAND PROTECTION DIVISION  
HAZARDOUS WASTE INSPECTION RECORD**

<b>Facility Information:</b>			
<b>Name:</b> Sinclair Refining		<b>EPA ID #:</b> OKD990750960	<b>Disposal Plan #:</b> 72069
<b>Physical Address:</b> 962 W. 25 <sup>th</sup>		<b>City:</b> Tulsa	<b>Zip:</b> OK, 74101
<b>Mailing Address:</b> P.O. BOX 970		<b>City:</b> Tulsa	<b>State and Zip:</b> OK 74101
<b>County:</b> Tulsa	<b>Phone #:</b> (918) 584-5025	<b># of Employees:</b> 700	<b>Years at Site:</b> 1920's
<b>Ownership:</b> Sinclair			
<b>Facility Representative(s), Title(s):</b> Donald Spear EHS Manager			

<b>Description of the Facility's Operations and Plant:</b>
Tulsa Refinery refines 75,000 BBL of crude oil into Gasoline, diesel, fuel oil, fuel gas, asphalt and sulfur. Supporting operations include maintenance, Powerhouse, Tank farm, and Laboratory, and waste water treatment. Inspection focused on Maintenance Crude unit, Waste water treatment, Fuel gas, Walnut Grove Powerhouse, Poly unit. Violations include Permit OK 990750960 expiring; Waste determination violations on Historic waste and operation of lab in an unsafe manner. Permit violations are being addressed through Dept legal and HW Permitting Sections. Generator violations are currently being addressed through HWCS staff and Sinclair. (See <del>map</del> attachment for facility diagram). Violations on 785 monitoring well requirements also need to be addressed. Most waste streams are identified and being managed appropriately.
(See facility map for legend)

**Waste Streams:**

DESCRIBE EACH WASTE STREAM GENERATED INCLUDING THE PRODUCTION PROCESS	GENERATION RATES	EPA WASTE CODES	DISPOSITION (include receiving facility's EPA ID#)
used oil	unknown	NA	reprocessed
construction/maintenance debris	tons/year	NA	American Waste Tulsa 3557021
HW - see disposal plan			
and Facility Solid Waste Audit.			

**Comments:**

---

---

---

---

---

---

---

---

---

---

Inspector

*Pat King*

5-29-09

Date

# Oklahoma Department of Environmental Quality LARGE QUANTITY GENERATOR INSPECTION REPORT

EPA ID# OKD99 0750960  
DATE 4-29-09

Sinclair Refining Sinclair (918) 584-5025  
Name of Facility Owner/Operator Phone  
PO BOX 970, Tulsa Tulsa 74101 Tulsa  
Facility Mailing Address City Zip Code County

Oklahoma Administrative Code (OAC) 252:205-3-2 adopts by reference certain federal regulations found in Title 40 of the Code of Federal Regulations (40 CFR). This document does not include all state and federal regulations that may be applicable. Certain non-hazardous waste regulations are included on this form as referenced by OAC 252:515.

Regulatory Requirements	Area of Non-compliance	Remarks
<b>A. General Requirements</b>		
A.1. Has the o/o obtained an EPA ID number? [40 CFR 262.12(a)]		
A.2. Has the o/o used only transporters and TSDs that have an EPA ID number? [40 CFR 262.12(c)]		
A.3. Does the o/o make a HW determination for each solid waste generated? [40 CFR 262.11] (Identify method: <u>X</u> testing <u>X</u> knowledge of process)	<u>X</u>	all solid waste generated from construction and excavation sites are tested for RCRA metals.
A.4. Identify each HW storage method that applies: <u>X</u> containers <u>    </u> tanks <u>    </u> drip pads <u>    </u> containment buildings (If tanks, drip pads or containment buildings are used, the appropriate supplemental checklist must also be completed)		<u>1.3 violations:</u> (1) Maintenance Shop - oil dry contaminated with oil in TRASH where bathos were removed (2) light fixtures and paint in shipping and receiving (3) Power house # II - waste from filter cleanout stored in 4x4 Catch Pans (4) Powerhouse # II - waste in 2ndary containment pipe manifold area (5) Barometric Tanks B34 crude unit.
A.5. Does the o/o store HW on site for ≤ 90 days? [40 CFR 262.34(a)] If yes, skip to A.6. (Note: This item does not apply to F006 wastes that are stored > 90 days. For such wastes, complete the "Alternative Requirements for F006 Waste Management" checklist, Section J)		
A.5.1. Has the DEQ granted an extension of up to 30 days? [40 CFR 262.34(b)] (Note: If no, the facility is regulated as a HW storage facility, subject to the applicable requirements of 40 CFR Part 264/265 & 270)		
A.6. Does the o/o ensure an accumulation start date is clearly marked and visible for inspection on each container holding HW? [40 CFR 262.34(a)(2)]		
A.7. Does the o/o ensure each tank or container holding HW is labeled or clearly marked with the words, "Hazardous Waste?" [40 CFR 262.34(a)(3)]		
A.8. Does the o/o operate and maintain the facility in a manner to prevent endangerment to public health and the environment and to minimize releases of HW or constituents to air, soil, or surface water? [OAC 252:205-5-4 & 9-1/40 CFR 262.34(a)(4) → 265.31]	<u>X</u>	(6) flare area - flooded Basement and vessel clean out in abandoned Building (7) flare area - waste material in open piping by Abandoned Building
A.9. Has the o/o obtained an approved disposal plan? [OAC 252:205-5-1]		
A.10. Does the o/o update the disposal plan as needed to identify all hazardous wastes generated, revise waste codes, add new TSD facilities, etc? [OAC 252:205-5-1(1)]		
<b>B. Manifest Requirements</b> (Identify the number of manifests reviewed: <u>45</u> )		
B.1. Does the o/o use a manifest when HW is transported off-site? [40 CFR 262.20(a)]		
B.2. Does each manifest identify a receiving facility that is permitted to accept the waste? [40 CFR 262.20(b)]		
B.3. Does each manifest have the hand-written signature of the generator? [40 CFR 262.23(a)(1)]		
B.4. Does each manifest have the hand-written signature of the initial transporter and date of acceptance? [40 CFR 262.23(a)(2)]		
B.5. If the o/o receives manifests from the designated receiving facility within 35 days of the date the waste was accepted by the initial transporter, skip to Section C.		<u>A.8 violation:</u> Housekeeping and chemical Material Management in water lab.
B.5.1. For manifests that were not received within 35 days, did the o/o contact the transporter and/or the designated receiving facility? [40 CFR 262.42(a)(1)]		
B.5.2. For manifests that were not received within 45 days, did the o/o submit an Exception Report to the DEQ that included both: (1) a legible copy of the manifest; AND (2) a cover letter explaining the efforts taken to locate the waste and the results of those efforts? [40 CFR 262.42(a)(2)]		785:35-72 water Monitoring wells without casing

**Oklahoma Department of Environmental Quality**  
**LARGE QUANTITY GENERATOR INSPECTION REPORT**

EPA ID#

DATE

OKID 990750960  
 4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
<b>C. Pre-Transport Requirements</b> (Note: Only applicable for HW ready for off-site shipment. If none, skip to Section D.)		
C.1. Does the o/o package HW in accordance with applicable DOT regulations? [40 CFR 262.30]		
C.2. Does the o/o label each package in accordance with applicable DOT regulations? [40 CFR 262.31]		
C.3. Does the o/o mark each package in accordance with applicable DOT regulations? [40 CFR 262.32(a)]		
C.4. Does the o/o mark each container of 19 gallons with an appropriate HW label? [40 CFR 262.32(b)]		
C.5. Does the o/o placard each vehicle that will transport HW in accordance with applicable DOT regulations? [40 CFR 262.33]		
<b>D. Satellite Accumulation Area (SAA)</b> (If no SAAs are in use, skip to Section E.)		
D.1. Does the o/o accumulate 55 gallons of HW or one quart of acutely HW in each SAA? [40 CFR 262.34(c)(1)] If yes, skip to D.2.		
D.1.1. Has the o/o complied with the HW storage requirements for the excess waste within three days? [40 CFR 262.34(c)(2)]		
D.1.2. Has the o/o marked each container holding the excess accumulation of HW with the date the excess amount began accumulating? [40 CFR 262.34(c)(2)]		
D.2. Is each container in each SAA in good condition? [40 CFR 262.34(c)(1)(i) → 265.171] If yes, skip to D.3.		
D.2.1. Has the o/o transferred the waste into a container that is in good condition, or managed the waste in another way to prevent leaks? [40 CFR 262.34(c)(1)(i) → 265.171]		
D.3. Does the o/o ensure each container in each SAA is made of or lined with materials that are compatible with the waste being stored? [40 CFR 262.34(c)(1)(i) → 265.172]		
D.4. Does the o/o ensure each container in each SAA is closed, except when adding or removing waste? [40 CFR 262.34(c)(1)(i) → 265.173(a)]		
D.5. Does the o/o ensure each container in each SAA is marked with the words "Hazardous Waste" or with other words to identify its contents? [40 CFR 262.34(c)(1)(ii)]		
<b>E. Container management</b>		
E.1. Does the o/o ensure each container of HW is in good condition? [40 CFR 262.34(a)(1)(i) → 265.171] If yes, skip to E.2.		
E.1.1. Has the o/o transferred the waste into a container that is in good condition, or managed the waste in another way to prevent leaks? [40 CFR 262.34(a)(1)(i) → 265.171]		
E.2. Does the o/o ensure each container of HW is made of or lined with materials that are compatible with the waste being stored? [40 CFR 262.34(a)(1)(i) → 265.172]		
E.3. Does the o/o ensure each container of HW is closed, except when adding or removing waste? [40 CFR 262.34(a)(1)(i) → 265.173(a)]		
E.4. Does the o/o ensure each container of HW is opened, handled, or stored in a manner to prevent ruptures or leaks? [40 CFR 262.34(a)(1)(i) → 265.173(b)]		
E.5. Does the o/o ensure each HW container storage area is inspected at least weekly for leaks or deterioration of containers and the containment system? [40 CFR 262.34(a)(1)(i) → 265.174]		
E.6. Does the o/o ensure each container holding ignitable or reactive waste is stored at least 50 feet from the facility property line? [40 CFR 262.34(a)(1)(i) → 265.176]		
E.7. Does the o/o prevent incompatible wastes and/or materials from being placed into the same container? [40 CFR 262.34(a)(1)(i) → 265.177(a)] If yes, skip to E.8.		
E.7.1. Does the o/o ensure mixing of incompatible wastes and or materials is performed in a manner to prevent the generation of extreme heat, pressure, fire/explosion, violent reaction, uncontrolled toxic vapors or dust, uncontrolled flammable fumes, damage to structural integrity, or other problems that threaten human health or the environment? [40 CFR 262.34(a)(1)(i) → 265.177(a) → 265.17(b)]		

Na E time of inspection

all SAA containers showing HW  
 in good condition, labeled  
 and closed @ time of inspection

Containers in good  
 condition, labeled, closed  
 and dated area of concern  
 Some drums pending analysis  
 Had labels that were fading.

**Oklahoma Department of Environmental Quality**  
**LARGE QUANTITY GENERATOR INSPECTION REPORT**

EPA ID#  
 DATE

OKD 990750960  
 4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
E.8. Does the o/o ensure HW is not placed in an unwashed container that previously held an incompatible waste or material? [40 CFR 262.34(a)(1)(i) → 265.177(b)] If yes, skip to E.9.		
E.8.1. Does the o/o ensure mixing of incompatible wastes and/or materials is performed in a manner to prevent the generation of extreme heat, pressure, fire/explosion, violent reaction, uncontrolled toxic vapors or dust, uncontrolled flammable fumes, damage to structural integrity, or other problems that threaten human health or the environment? [40 CFR 262.34(a)(1)(i) → 265.177(b) → 265.17(b)]		→ NO HW MIXING
E.9. Does the o/o ensure incompatible wastes and/or materials are physically separated by a dike, berm, wall, or other device? [40 CFR 262.34(a)(1)(i) → 265.177(c)]		
<b>F. Air Emission Standards</b> (Note: Only applies to containers between 26.4 and 121.5 gal capacity storing hazardous waste with > 500 ppmw VOCs)		
F.1. Does the o/o ensure the containers meet ONE of the following: (Identify which standard is met) <input checked="" type="checkbox"/> meet DOT regulations for hazardous materials transportation? [40 CFR 262.34(a)(1)(ii) → 265.1087(c)(1)(i)]  OR <input type="checkbox"/> are equipped with a cover and closure devices forming a continuous barrier with no visible holes, gaps, or other open spaces into the interior of the container? [40 CFR 262.34(a)(1)(ii) → 265.1087(c)(1)(ii)]  OR <input type="checkbox"/> are open-topped containers with an organic vapor suppressing barrier (such as an organic vapor suppressing foam) placed over the waste so that no hazardous waste is exposed to the atmosphere? [40 CFR 262.34(a)(1)(ii) → 265.1087(c)(1)(iii)]		→ NO HW Volatiles in > 500 ppmw VOC'S
F.2. Does the o/o ensure the container covers or closure devices remain closed except when adding or removing waste or other material, when gaining access for routine activities, or for opening safety devices to avoid unsafe conditions? [40 CFR 262.34(a)(1)(ii) → 265.1087(c)(3)]		
F.3. Has the o/o attempted initial repairs of defects in containers, covers, or closure devices within 24 hours of detection? [40 CFR 262.34(a)(1)(ii) → 265.1087(c)(4)(iii)]		
F.4. Did the o/o complete repairs within 5 calendar days after detection or remove hazardous waste from the container until repairs could be completed? [40 CFR 262.34(a)(1)(ii) → 265.1087(c)(4)(iii)]		
<b>G. Personnel Training</b>		
G.1. Has the o/o developed and implemented a training program for those employees who manage HW? [40 CFR 262.34(a)(4) → 265.16(a)] If no, skip to G.2.		✓
G.1.1. Does the o/o ensure the training is directed by a person trained in HW management procedures? [40 CFR 262.34(a)(4) → 265.16(a)(2)]		✓
G.1.2. Does the o/o ensure the training includes EACH of the following (as applicable to the facility): (1) procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment; (2) key parameters for automatic waste feed cut-off systems; (3) use of communications or alarm systems; (4) responses to fires or explosions; AND (5) procedures for shutdown of operations? [40 CFR 262.34(a)(3) → 265.16(a)(3)] (Note: OSHA emergency response training that includes these items is satisfactory for meeting this requirement)		→ all personnel trained with Management of HW as it applies in their area, Advanced training provided to personnel on Sinclair fire station
G.2. Does the o/o ensure each new or reassigned employee receives training within 6 months of employment or reassignment? [40 CFR 262.34(a)(4) → 265.16(b)]		✓
G.3. Does the o/o ensure each employee receives an annual review of training? [40 CFR 262.34(a)(4) → 265.16(c)]		✓
G.4. Does the o/o maintain EACH of the following records at the facility: (1) ✓ the job title & name of each employee for all positions related to HW management; (2) a written job description for each position related to HW management, to include requisite skill, education, or other qualifications; (3) a ✓ written description of the type and amount of introductory and continuing education to be provided to the employee in each position; AND (4) records to document employee training? [40 CFR 262.34(a)(4) → 265.16(d)]		
G.5. Does the o/o maintain training records of former employees for at least 3 years after employment ended? [40 CFR 262.34(a)(4) → 265.16(e)]		✓

**Oklahoma Department of Environmental Quality**  
**LARGE QUANTITY GENERATOR INSPECTION REPORT**

EPA ID#

DATE

OKD 99075 0966

4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
<b>H. Preparedness &amp; Prevention</b>		
H.1. Does the o/o provide internal communications or an alarm system capable of providing immediate emergency instruction to personnel? [40 CFR 262.34(a)(4) → 265.32(a)]	✓	Sinclair operates facility with a series of sirens
H.2. Does the o/o provide a telephone or radio that is immediately available to call emergency personnel? [40 CFR 262.34(a)(4) → 265.32(b)]	✓	
H.3. Does the o/o provide fire extinguishers, spill control equipment, decontamination equipment, and water at adequate volume and pressure? [40 CFR 262.34(a)(4) → 265.32(c) and (d)]	✓	
H.4. Does the o/o ensure all facility communications, alarms, fire protection equipment, and spill control equipment is tested and maintained as necessary to assure proper operation? [40 CFR 262.34(a)(4) → 265.33]	✓	
H.5. Does the o/o ensure all personnel managing hazardous waste have immediate access to an internal alarm or emergency communication device? [40 CFR 262.34(a)(4) → 265.34(a)]	✓	
H.6. When only one employee is on the premises, does the o/o ensure the employee has immediate access to a device capable of summoning external emergency assistance? [40 CFR 262.34(a)(4) → 265.34(b)]	✓	
H.7. Does the o/o ensure there is sufficient aisle space to allow unobstructed movement of personnel and equipment in storage areas? [40 CFR 262.34(a)(4) → 265.35]	✓	
H.8. Has the o/o provided local authorities with facility layout, properties of HW, locations of work areas, road entrances and evacuation routes? [40 CFR 262.34(a)(4) → 265.37(a)(1)]	✓	
H.9. Has the o/o made agreements with emergency response contractors and equipment suppliers? [40 CFR 262.34(a)(4) → 265.37(a)(3)]	✓	
H.10. Has the o/o provided local hospitals with properties of HW handled and types of injuries possible? [40 CFR 262.34(a)(4) → 265.37(a)(4)]	✓	
<b>I. Contingency Plan and Emergency Procedures</b>		
I.1. Does the o/o have a contingency plan at the facility? [40 CFR 262.34(a)(4) → 265.51(a) & 53(a)]	✓	Contingency plan updated and followed on a regular basis
I.2. Has the o/o provided a copy of the contingency plan to all applicable local police and fire departments, hospitals, and emergency response teams? [40 CFR 262.34(a)(4) → 265.53(b)]	✓	
I.3. Does the contingency plan describe actions to be taken by facility personnel in response to fires, explosions, or releases of HW or HW constituents? [40 CFR 262.34(a)(4) → 265.52(a)]	✓	
I.4. Does the contingency plan include a description of the arrangements with local authorities? [40 CFR 262.34(a)(4) → 265.52(c)]	✓	
I.5. Does the contingency plan include an up-to-date list of persons qualified to act as emergency coordinator? [40 CFR 262.34(a)(4) → 265.52(d)]	✓	
I.6. Does the o/o ensure one person is listed as the primary emergency coordinator, with other persons listed in the order in which they will assume emergency coordinator responsibilities? [40 CFR 262.34(a)(4) → 265.52(d)]	✓	
I.7. Does the contingency plan include an up-to-date list of all emergency and decontamination equipment, its location, a brief description of the equipment, and a brief outline of its capabilities? [40 CFR 262.34(a)(4) → 265.52(e)]	✓	
I.8. Does the contingency plan include an employee evacuation plan (to include evacuation signals, primary routes, and alternate routes)? [40 CFR 262.34(a)(4) → 265.52(f)]	✓	
I.9. Did the o/o amend the contingency plan in the event of a regulatory change, plan failure during an emergency, the facility changes, the emergency coordinators change, or emergency equipment changes? [40 CFR 262.34(a)(4) → 265.54]	✓	
I.10. Does the o/o ensure the emergency coordinator is on-site or on-call at all times? [40 CFR 262.34(a)(4) → 265.55]	✓	
I.11. Does the o/o ensure the emergency coordinator is thoroughly familiar with all aspects of the contingency plan, facility operations, wastes managed, location of records, and has the authority to commit the resources to carry out the contingency plan? [40 CFR 262.34(a)(4) → 265.55]	✓	
I.12. If there have been no incidents requiring implementation of the contingency plan, skip to Section J. (Note: Identify date(s), nature, and quantities of releases)		
I.12.1. Did the o/o carry out the provisions of the contingency plan during a fire, explosion, or release of HW or HW constituents? [40 CFR 262.34(a)(4) → 265.51(b)]	✓	
I.12.2. Did the o/o immediately notify the DEQ? [OAC 252:205-13-1(a)]	✓	

# Oklahoma Department of Environmental Quality

## LARGE QUANTITY GENERATOR INSPECTION REPORT

EPA ID#

DATE

OKD 990750960  
4.29.09

Regulatory Requirements	Area of Non-compliance	Remarks
I.12.3. Did the o/o submit a written report to the DEQ regarding the incident that included all of the following: (1) name, address, and phone number of the o/o; (2) name, address, and phone number of the facility; (3) date, time, and type of incident; (4) name and quantity of materials involved; (5) extent of any injuries; (6) assessment of actual or potential hazards to health or the environment; and (7) estimated quantity and disposition of material resulting from the incident? [40 CFR 262.34(a)(4) → 265.56(j)]		✓
I.12.4. Did the o/o ensure proper disposal of wastes generated as a result of the incident? [OAC 252:205-13-1(e)]		✓
<b>J. Alternative Requirements for F006 Waste Management</b> (Note: Only applies to LQGs that store F006 waste > 90 days)		
J.1. Does the o/o store F006 waste for ≤ 180 days (or ≤ 270 days if the waste must be transported more than 200 miles)? [40 CFR 262.34(g) and (h)] If yes, skip to J.2.		
J.1.1. Has the DEQ granted an extension of up to 30 days? [40 CFR 262.34(i)] (Note: If no, the facility is regulated as a HW storage facility, subject to the applicable requirements of 40 CFR Part 264/265)		
J.2. Has the o/o implemented pollution prevention practices that reduce the amount of hazardous substances, pollutants, or contaminants entering the F006 wastestream or otherwise entering the environment? [40 CFR 262.34(g)(1)]		
J.3. Does the o/o ensure the F006 waste is legitimately recycled through metals recovery? [40 CFR 262.34(g)(2)]		
J.4. Does the o/o ensure ≤ 20,000 kg (22 tons) of F006 waste is stored at all times? [40 CFR 262.34(g)(3)] If yes, skip to J.5.		
J.4.1. Has the DEQ granted an exception to the accumulation limit? [40 CFR 262.34(i)] (Note: If no, the facility is regulated as a HW storage facility, subject to the applicable requirements of 40 CFR Part 264/265)		
J.5. Does the o/o ensure each container storing F006 waste meets all container storage requirements? [40 CFR 262.34(g)(4)(i)(A)]		
J.6. Does the o/o ensure each tank storing F006 waste meets all tank storage requirements? [40 CFR 262.34(g)(4)(i)(B)]		
J.7. Does the o/o ensure each containment building storing F006 waste meets all containment building requirements? [40 CFR 262.34(g)(4)(i)(C)] If N/A, skip to J.8.		
J.7.1. Does the o/o maintain ONE of the following: (Identify which standard is met) _____ a written description of: (1) procedures to ensure F006 waste remains in the building no longer than 180/270 days, (2) waste generation and management practices to demonstrate the 180/270-day limit is respected, and (3) documentation that the procedures are complied with?? [40 CFR 262.34(g)(4)(i)(C)(1)]		
OR _____ documentation that the unit is emptied at least once every 180/270 days? [40 CFR 262.34(g)(4)(i)(C)(2)]		
J.8. Does the o/o ensure the accumulation start date is clearly marked and visible for inspection on each container of F006 waste? [40 CFR 262.34(g)(4)(iii)]		
J.9. Does the o/o ensure each container and tank of F006 waste is clearly marked with the words "Hazardous Waste?" [40 CFR 262.34(g)(4)(iv)]		
<b>K. Recordkeeping and Reporting</b>		
K.1. Does the o/o maintain a copy of each manifest for at least 3 years? [40 CFR 262.40(a)]		✓
K.2. Does the o/o maintain a copy of each Biennial Report and Exception Report for at least 3 years? [40 CFR 262.40(b)]		✓
K.3. Does the o/o maintain a copy of test results, waste analyses, or other determinations for at least 3 years from the date the waste was last shipped to an on-site or off-site TSD facility? [40 CFR 262.40(c)]		✓
K.4. Does the o/o prepare and submit a Biennial Report to the DEQ by March 1 <sup>st</sup> of each even numbered year, or April 1 <sup>st</sup> if approved by DEQ? [40 CFR 262.41(a)]		✓
K.5. Does the o/o submit quarterly reports to the DEQ within 60 days of the end of each quarter? [OAC 252:205-5-3(a)]		✓
K.6. Does the o/o ensure quarterly reports include EACH of the following: (1) the wastestream number from the disposal plan; (2) the EPA ID number of all transporters that transported waste; (3) the EPA ID number of the receiving facility; AND (4) the receiving facility handling codes? [OAC 252:205-5-3(b)]		✓
K.7. Does the o/o ensure quarterly reports reflect HW treated on-site? [OAC 252:205-5-3(c)]		✓

NA NO F006 waste generated  
@ time of inspection

all records kept as hardcopy  
and in Sinclairs network

**Oklahoma Department of Environmental Quality**  
**LARGE QUANTITY GENERATOR INSPECTION REPORT**

EPA ID#

DATE

OKD 990750960

4.29.09

Regulatory Requirements	Area of Non-compliance	Remarks
K.8. For any wastes shipped outside the United States, does the o/o submit to the DEQ, copies of manifests signed by the receiving facility for those wastes? [OAC 252:205-5-5(b)]		
L. Land Disposal Restrictions		
<i>All generators</i>		
L.1. Has the o/o determined if each hazardous waste generated meets the treatment standards of 40 CFR 268.40, 268.45, or 268.49? [40 CFR 268.7(a)(1)]		✓
L.2. For each hazardous waste that <i>does not</i> meet the applicable treatment standard, did the o/o include a one-time written notice with the initial shipment of such waste to the designated receiving facility that included EACH of the following: (1) waste codes and manifest number of the shipment; (2) notification that the waste is subject to LDR; (3) constituents of concern for F001-F005 and F039 wastes; (4) identification of underlying hazardous constituents; (5) applicable wastewater/non-wastewater category and subdivisions; (6) waste analysis data, when available; (7) required information regarding hazardous debris (if applicable); AND (8) required information regarding contaminated soil (if applicable)? [40 CFR 268.7(a)(2)]		✓ all LDR met for HW shipped off site
L.3. For each hazardous waste that <i>does</i> meet the applicable treatment standard, did the o/o include a one-time written notice with the initial shipment of such waste to the designated receiving facility that included EACH of the following: (1) waste codes and manifest number of the shipment; (2) notification that the waste is subject to LDR; (3) constituents of concern for F001-F005 and F039 wastes; (4) identification of underlying hazardous constituents; (5) applicable wastewater/non-wastewater category and subdivisions; (6) waste analysis data, when available; (7) required information regarding contaminated soil (if applicable); AND (8) required certification? [40 CFR 268.7(a)(3)]		
L.4. For each hazardous waste the o/o chose <i>not</i> to determine whether the waste met the treatment standard, did the o/o EITHER: (Identify which standard is met)  <div style="margin-left: 40px;"> <input type="checkbox"/> comply with item L.2.   OR  <input checked="" type="checkbox"/> provide a one-time written notice with the initial shipment that included (1) the waste codes and manifest number of the first shipment and (2) a certification stating, "This hazardous waste may or may not be subject to the LDR treatment standards. The treatment facility must make this determination." [40 CFR 268.7(a)(2)] </div>		
L.5. Does the o/o maintain supporting data for his determination of the LDR status for each hazardous waste generated? [40 CFR 268.7(a)(6)]		✓
L.6. Does the o/o maintain copies of LDR notifications and supporting documents on site for at least 3 years after the waste was last shipped off-site? [40 CFR 268.7(a)(8)]		✓
<i>Standards for generators who treat waste onsite to meet LDR standards</i>		
L.7. Has the o/o developed a written waste analysis plan that meets EACH of the following requirements: (1) describes the procedures to be used to meet the treatment standards; (2) is based on a detailed chemical/physical analysis of a representative sample of the waste; (3) contains all information necessary to treat the waste; AND (4) is maintained in the facility files? [40 CFR 262.34(a)(4) → 268.7(a)(5)]		✓ no HW had applied at time of inspection
L.8. Does the o/o perform EACH of the following for those treated wastes that are shipped off-site for disposal: (1) provide a one-time written notice that contains all of the required information to the receiving disposal facility; (2) include the required certification on the notice; (3) maintain a copy of the notice in the operating record; (4) submit a new notice and certification to the disposal facility if the waste changed; AND (5) maintain a copy of the new notice and certification in the operating record? [40 CFR 262.34(a)(4) → 268.7(a)(5)(iii) → 268.7(a)(3)]		✓ Area of concern with operation permit at Walnut Grove
L.9. Did the o/o place a notice that included EACH of the following in the facility operating record: (1) name and address of the Subtitle D facility receiving the waste; (2) description of waste as generated, to include applicable waste codes, treatability groups, and underlying hazardous constituents; (3) signature of an authorized representative; AND (4) certification found at 40 CFR 268.7(b)(4) {or (b)(4)(iv), if applicable}? [40 CFR 268.9(d)]		✓

**Oklahoma Department of Environmental Quality**  
**LARGE QUANTITY GENERATOR INSPECTION REPORT**

EPA ID#  
 DATE

OKID 99 075 0960  
 4.24.09

Regulatory Requirements	Area of Non-compliance	Remarks
<b>M. Used Oil Requirements</b> <i>(Identify each used oil management process conducted &amp; approximate amount stored)</i> <input checked="" type="checkbox"/> Generator <input type="checkbox"/> Transporter <input type="checkbox"/> Used oil fuel marketer  gallons/drums		
<i>Rebuttable presumption</i>		
M.1. Does the o/o determine the total halogen concentration of used oil generated by the facility? [40 CFR 279.21(b)] <i>(Identify method: <input checked="" type="checkbox"/> testing <input checked="" type="checkbox"/> knowledge of process)</i>		
M.2. If the total halogen > 1,000 ppm, does the o/o manage the used oil as hazardous waste? [40 CFR 279.21(b)] If yes, skip to M.3.		✓
M.2.1. Has the o/o demonstrated that the used oil does not contain significant quantities of halogenated hazardous constituents? [40 CFR 279.21(b)] <i>(Note: If no, the used oil must be managed as a hazardous waste)</i>		✓
<i>Used Oil Storage</i>		
M.3. Does the o/o store used oil in accordance with appropriate Spill Prevention, Control, and Countermeasures requirements (e.g. containment/diversionary structures such as dikes, berms, or retaining walls sufficiently impervious to contain oil; curbing; culverting, gutters, or other drainage systems; weirs, booms, or other barriers; spill diversion ponds; retention ponds; or sorbent materials)? [40 CFR 279.22 → 40 CFR 112.7(c)(1)]		used oil is refined as a product at Sinclair However
M.4. Does the o/o store used oil only in tanks, containers, or units subject to regulation under 40 CFR 264/265? [40 CFR 279.22(a)]		✓ oil contaminated soil is sent
M.5. Does the o/o ensure containers and above-ground tanks storing used oil are in good condition and not leaking? [40 CFR 279.22(b)]		✓ offsite to waste management Also
M.6. Does the o/o ensure containers and above-ground tanks storing used oil are marked with the words "Used Oil?" [40 CFR 279.22(c)(1)]	X	→ (1) 250 gal tube of oil was not
M.7. Does the o/o ensure fill pipes that transfer used oil to underground storage tanks are marked clearly with the words "Used Oil?" [40 CFR 279.22(c)(2)]		X labeled on the north side of
M.8. In the event of a release of used oil, did the o/o perform each of the following: (1) stop the release; (2) contain the released used oil; (3) clean up and properly manage the released used oil and other materials; AND (4) repair or replace any leaking used oil tanks or containers prior to placing them back into service? [40 CFR 279.22(d)] <i>(Identify date and quantity of release, if known)</i>		Boiler House
<i>On-site burning in space heaters</i> <i>(Note: Only applies if burning used oil in on-site space heaters)</i>		
M.9. Does the o/o only burn used oil generated by the facility or used oil received from household do-it-yourself used oil generators? [40 CFR 279.23(a)]		
M.10. Is the space heater designed to have a maximum capacity of ≤ 0.5 million BTU/hr? [40 CFR 279.23(b)]		NA
M.11. Does the o/o ensure heater combustion gasses are vented to the ambient air? [40 CFR 279.23(c)]		
<i>Off-site shipments (Circle each method of off-site shipment used &amp; complete appropriate checklist section)</i>		
Self-transportation to appvd collection ctr    Self-transportation to aggregation point    Tolling arrangement    Other		
<i>Self-transport to Collection Center</i>		
M.12. Does the o/o self-transport only used oil generated by the facility or used oil received from household do-it-yourself used oil generators? [40 CFR 279.24(a)]		
M.13. Does the o/o self-transport used oil only in vehicles owned by the facility or a facility employee? [40 CFR 279.24(a)(1)]		
M.14. Does the o/o ensure no more than 55 gallons of used oil is self-transported at any one time? [40 CFR 279.24(a)(2)]		NA
M.15. Does the o/o ensure the used oil is self-transported to a used oil collection center that is registered, licensed, permitted, or authorized by a state, county, or local government to manage used oil? [40 CFR 279.24(a)(3)]		
<i>Self-transport to Aggregation Point</i>		
M.16. Does the o/o self-transport only used oil generated by the facility? [40 CFR 279.24(b)]		
M.17. Does the o/o self-transport used oil only in vehicles owned by the facility or a facility employee? [40 CFR 279.24(b)(1)]		
M.18. Does the o/o ensure no more than 55 gallons of used oil is self-transported at any one time? [40 CFR 279.24(b)(2)]		NA
M.19. Does the o/o ensure the used oil is self-transported to an aggregation point that is owned and/or operated by the facility? [40 CFR 279.24(b)(3)]		

**Oklahoma Department of Environmental Quality**  
**LARGE QUANTITY GENERATOR INSPECTION REPORT**

EPA ID#

DATE

OKD 99 0750960  
4.29.09

Regulatory Requirements	Area of Non-compliance	Remarks
<b>Tolling Arrangement</b>		
M.20. Does the tolling arrangement identify the type of used oil and frequency of shipments? [40 CFR 279.24(c)(1)]		
M.21. Does the tolling arrangement state that the vehicle used to transport the used oil to the processor/re-refiner is owned and operated by the processor/re-refiner? [40 CFR 279.24(c)(2)]		
M.22. Does the tolling arrangement state that the vehicle used to transport the recycled oil back to the generator is owned and operated by the processor/re-refiner? [40 CFR 279.24(c)(2)]		NA
M.23. Does the tolling arrangement state that the reclaimed oil will be returned to the generator? [40 CFR 279.24(c)(3)]		
M.24. Does the o/o comply with the tolling arrangement requirements identified above?		
M.25. Does the o/o ensure the reclaimed used oil is used as a lubricant, cutting oil, or coolant? [40 CFR 279.24(c)]		
<b>Other</b>		
M.26. Does the o/o only use used oil transporters that have an EPA ID number? [40 CFR 279.24]		✓
M.27. Does the o/o self-transport used oil in quantities ≤ 55 gallons OR only to collection centers/aggregation points identified above? If yes, skip to Section N.		✓
M.27.1. Does the o/o ensure used oil is delivered to ONLY: (1) another used oil transporter that has an EPA ID number; (2) a used oil processing/re-refining facility that has an EPA ID number; (3) an off-specification used oil burner that has an EPA ID number; OR (4) an on-specification used oil burner? [40 CFR 279.43(a)]		✓
M.27.2. Does the o/o determine whether the used oil being transported has a total halogen content above or below 1,000 ppm? [40 CFR 279.44(a)]		✓
M.27.3. Does the o/o maintain records of each used oil shipment? [40 CFR 279.46(a)]		✓
M.27.4. Do the shipping records contain EACH of the following: (1) the facility name and address; (2) facility EPA ID number; (3) transporter EPA ID number; (4) destination facility EPA ID number; (5) quantity of used oil; (6) signature of the used oil generator and transporter; (7) date of shipment; (8) date of delivery to destination facility; AND (9) signature of destination facility representative? [40 CFR 279.46(a) & (b)]		✓
M.27.5. Does the o/o maintain shipping records for at least three years? [40 CFR 279.46(d)]		✓
<b>N. Universal Waste Requirements</b> <i>(Identify each universal waste managed)</i> <input checked="" type="checkbox"/> Batteries <input checked="" type="checkbox"/> Pesticides <input type="checkbox"/> Mercury-containing equipment <input checked="" type="checkbox"/> Lamps  <i>(Identify universal waste handler status)</i> <input checked="" type="checkbox"/> Small Quantity Handler (SQH, < 5,000 kg accumulated at one time) <input type="checkbox"/> Large Quantity Handler (LQH, ≥ 5,000 kg accumulated at any one time)		
N.1. Does the o/o have an EPA ID number? [40 CFR 273.32 (LQH only)]		✓
N.2. Does the o/o ensure containers of universal waste are compatible with the type of universal waste managed in the container? [40 CFR 273.13 (SQH)/273.33 (LQH)]		✓
N.3. Does the o/o label or mark each container of universal waste with the words "Universal Waste _____," "Waste <input checked="" type="checkbox"/> ," or "Used _____?" [40 CFR 273.14 (SQH)/273.34 (LQH)]		
N.4. Does the o/o store universal wastes for less than one year? [40 CFR 273.15(a) (SQH)/273.35(a) (LQH)] If yes, skip to N.5.		✓
N.4.1. Is the extended storage time solely to allow the facility to accumulate quantities of universal waste to facilitate proper off-site management? [40 CFR 273.15(b) (SQH)/273.35(b) (LQH)]		✓
N.4.2. Did the o/o fully document the need for the extended storage time? [40 CFR 273.15(b) (SQH)/273.35(b) (LQH)]		✓
N.5. Is the o/o able to demonstrate the amount of time universal wastes have accumulated (such as through labeling containers, maintaining an inventory system, handling universal wastes separately from other wastes, or another method that clearly identifies the amount of time they have accumulated)? [40 CFR 273.15(c) (SQH)/273.35(c) (LQH)]		✓
N.6. Has the o/o provided training to employees in management of universal wastes? [40 CFR 273.16 (SQH)/273.36 (LQH)]		✓

most used oil is refined at facility

**Oklahoma Department of Environmental Quality**  
**LARGE QUANTITY GENERATOR INSPECTION REPORT**

EPA ID#  
 DATE

OKD 99 0750966  
 4.29.09

Regulatory Requirements	Area of Non-compliance	Remarks
N.7. Has the o/o prevented a release of universal waste or their residues? If yes, skip to N.8.		✓
N.7.1. Did the o/o immediately contain all releases? [40 CFR 273.17(a) (SQH)/273.37(a) (LQH)]		✓
N.7.2. Did the o/o determine if materials resulting from the release are hazardous waste and properly manage, if so? [40 CFR 273.17(b) (SQH)/273.37(b) (LQH)]		✓
N.8. Does the o/o ensure universal wastes are shipped only to another universal waste handler, a destination facility, or a foreign destination? [40 CFR 273.18(a) (SQH)/273.38(a) (LQH)]		✓
N.9. Does the o/o ensure universal wastes shipped off-site are packaged, labeled, marked, and placarded in accordance with applicable Department of Transportation regulations? [40 CFR 273.18(c) (SQH)/273.38(c) (LQH)]		✓
N.10. Does the o/o maintain records of each off-site shipment of universal waste? [40 CFR 273.39(b) (LQH only)] (Identify the number of shipping records examined )		na
N.10.1. Does the o/o ensure off-site shipment records contain EACH of the following: (1) name and address of the receiving facility; (2) quantity of each type of universal waste shipped; AND (3) the date the shipment left the facility? [40 CFR 273.39(b) (LQH only)]		✓
N.10.2. Does the o/o maintain records of off-site shipments for at least 3 years from the date of shipment? [40 CFR 273.39(c) (LQH only)]		✓
<b>O. Non-Hazardous Waste Management</b>		
O.1. Does the o/o ensure all non-RCRA waste, if disposed in Oklahoma, is disposed at a facility permitted by the DEQ to accept such waste? [27A O.S. §2-10-301(A)(1)]		✓
O.2. If the o/o disposes of > 10 yd <sup>3</sup> per month of non-hazardous industrial waste (NHIW) at an Oklahoma solid waste disposal facility, complete the following.		✓
O.2.1. Has the o/o submitted an NHIW notification/certification to the DEQ for each NHIW to be disposed in Oklahoma? [OAC 252:515-31-2(a)]		✓
O.2.2. Does the notification/certification meet the requirements of OAC 252:515, Appendix G or contain equivalent information? [OAC 252:515-31-3(b)]		✓

**INSPECTION TYPE (check each that applies)**

- ☒ Routine RCRA Compliance Evaluation Inspection  
☐ Limited RCRA Compliance Evaluation Inspection (Circle items inspected)  
☐ CEI Follow-up (Circle items inspected)  
☐ Order Follow-up (Case No./Date \_\_\_\_\_) (Circle items inspected)  
☐ Citizen Complaint (Complaint # \_\_\_\_\_)

**Comments:**

---



---



---



---



---



---



---



---

**Oklahoma Department of Environmental Quality**  
**LARGE QUANTITY GENERATOR INSPECTION REPORT**

EPA ID#

DATE

OKD990750960

4.29.09

I have completed an inspection of your facility to evaluate compliance with the Oklahoma Hazardous Waste Management Act (27A O.S. § 2-7-101, *et seq.*), the Oklahoma Hazardous Waste Management regulations (OAC 252:205), the federal hazardous waste management regulations (40 CFR Parts 260 – 279), and certain portions of the Oklahoma Solid Waste Management regulations (OAC 252:515).

☐ Based on this inspection, it appears your facility is in compliance with all applicable regulations and statutes that were evaluated, and no further action is required. However, if additional review of the facts established during the inspection reveals areas of non-compliance, I will notify you in writing.

☒ Items marked as "Area of Non-compliance" represent requirements where I have identified the facility to not be in compliance with the applicable statute or regulation. ***Please correct each area of non-compliance and submit documentation to me demonstrating compliance no later than 6-5-09.*** If further review of the facts established during this inspection reveals additional areas of non-compliance or that a violation was identified in error, I will notify you in writing. If you believe I have identified an area of non-compliance in error or if additional time is needed, please submit supporting documentation or a request for an extension within this same period.

This Notice in no way limits the DEQ's authority to pursue additional enforcement such as, but not limited to, an Administrative Order and/or assessment of penalties, based on the nature or gravity of violations found, failure to respond to this Notice, or otherwise in accordance with its statutory authority.

If you have any questions regarding this Notice, please contact me.

(Printed name)

(Signature)

Jonathan King

[Signature]

Oklahoma Department of Environmental Quality  
Land Protection Division

P.O. Box 1677

Oklahoma City, OK 73101-1677

Tel: (405) 702-5100

Fax: (405) 702-5101

# Oklahoma Department of Environmental Quality TSD FACILITY INSPECTION REPORT

EPA ID# OKD990750960  
DATE 4-29-09

Sinclair Refining Sinclair (918) 584-5025  
Name of Facility Owner/Operator Phone  
P.O. Box 970, Tulsa Tulsa 74101 Tulsa  
Facility Mailing Address City Zip Code County

Oklahoma Administrative Code (OAC) 252:205-3-2 adopts by reference certain federal regulations found in Title 40 of the Code of Federal Regulations (40 CFR). This document does not include all state and federal regulations that may be applicable. **Supplemental checklists (e.g. tank storage, landfills, containment buildings, drip pads, groundwater monitoring, Subparts AA/BB/CC, etc.) may be required, depending on permitted hazardous waste treatment, storage, or disposal activities.**

Regulatory Requirements	Area of Non-compliance	Remarks
<b>A. General Requirements</b>		
A.1. Has the o/o obtained an EPA ID number? [40 CFR 264/265.11]		✓
A.2. Does the o/o notify the DEQ at least four weeks in advance of receipt of hazardous waste from a foreign source? [40 CFR 264/265.12(a)(1)] (Note: If applicable, include copies of manifests or other records that identify generator, country of origin, and type of waste received)		✓
A.3. Does the o/o notify each off-site facility from which hazardous waste is received that he has the appropriate permits for, and will accept, the waste being shipped to the TSD? [40 CFR 264.12(b)] (Note: Not required if TSD is interim status)		✓
<b>B. Waste Analysis</b>		
B.1. Does the o/o obtain a detailed chemical and physical analysis of a representative sample of all wastes received? [40 CFR 264/265.13(a)(1)] (e.g. laboratory analysis, data developed under Part 261, published data, data from wastes from similar processes, etc.)		✓ - waste analysis regulations are followed for all identified
B.2. Does the o/o ensure analyses are repeated as necessary to ensure they are accurate and up to date? [40 CFR 264.13(a)(3)] (e.g. when process generating waste has changed or when waste received does not match waste on the manifest/shipping paper)		✓ waste streams at time of inspection
B.3. Does the o/o inspect and, if necessary, analyze each hazardous waste received at the facility to determine whether it matches the waste on the manifest? [40 CFR 264/265.13(a)(4)]		✓
B.4. Has the o/o developed a written waste analysis plan (WAP)? [40 CFR 264/265.13(b)] If no, skip to Section C.		✓
B.4.1. Is the WAP maintained at the facility? [40 CFR 264/265.13(b)]		✓
B.4.2. Does the WAP include EACH of the following, as applicable: (1) parameters for which each waste will be analyzed; (2) test methods; (3) sampling methods; (4) frequency of analysis; (5) waste analyses to be provided by off-site generators; (6) additional analyses required for ignitable/reactive wastes, bulk or containerized liquids, incineration, compliance with Subparts AA, BB, & CC, and for meeting LDR standards; (7) procedures and schedules for surface impoundments exempted from LDR standards; and (8) procedures and schedules necessary for seeking exemptions from Subpart CC? [40 CFR 264/265.13(b)(1) - (b)(8)]		✓
B.4.3. Does the WAP specify the procedures to be used to inspect and analyze each movement of hazardous waste received at the facility? [40 CFR 264/265.13(c)]		✓
B.5. Does the o/o appear to comply with all provisions of the WAP? [Permit] If no, identify deficiencies.		✓
<b>C. Site Security</b>		
C.1. Does the o/o maintain EACH of the following: (Identify which standards are met) If BOTH standards are met, skip to Section D.  <div style="margin-left: 20px;"> <input checked="" type="checkbox"/> (1) a 24-hour surveillance system that continuously monitors and controls entry onto the active portion of the facility; OR (2) an artificial or natural barrier that completely surrounds the active portion of the facility and a means to control entry at all times through the gates or other entry points to the active portion? [40 CFR 264/265.14(b)(1) and (b)(2)] </div> AND <div style="margin-left: 20px;"> <input checked="" type="checkbox"/> signs with the legend "Danger - Unauthorized Personnel Keep Out" posted at each entrance to the active portion and at other locations in sufficient numbers to be seen from any approach? [40 CFR 264/265.14(c)] </div>		

**Oklahoma Department of Environmental Quality**  
**TSD FACILITY INSPECTION REPORT**

EPA ID#  
 DATE

OKD 990 750966  
 4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
C.1.1. Has the o/o demonstrated to the DEQ that: (1) physical contact with waste, structures, or equipment will not injure the unauthorized persons or livestock; AND (2) disturbance of the waste or equipment caused by such incursions will not cause a violation of this requirement? [40 CFR 264/265.14(a)(1) and (a)(2)]		✓
<b>D. General Inspection Requirements</b>		
D.1. Does the o/o inspect the facility for malfunctions, deterioration, operator error, and discharges which may result in a release to the environment or harm to human health? [40 CFR 264/265.15(a)]		✓
D.2. Is the frequency of the inspections adequate to identify problems in time to correct them before they harm human health or the environment? [40 CFR 264/265.15(a)]		✓
D.3. Has the o/o developed a written schedule for inspecting monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment? [40 CFR 264/265.15(b)(1)] If no, skip to D.4.		✓
D.3.1. Does the o/o maintain the schedule at the facility? [40 CFR 264/265.15(b)(2)]		✓
D.3.2. Does the schedule identify the types of problems which are to be looked for during the inspections? [40 CFR 264/265.15(b)(3)]		✓
D.3.3. Does the schedule require daily inspections of areas subject to spills, such as loading and unloading areas? [40 CFR 264/265.15(b)(4)]		✓
D.4. Has the o/o remedied any problems found during the inspections? [40 CFR 264/265.15(c)]		✓
D.5. Does the o/o maintain an inspection log that contains EACH of the following: (1) date/time of the inspection; (2) name of inspector; (3) notation of observations made; and (4) date and nature of any repairs or other remedial action? [40 CFR 264/265.15(d)]		✓
D.6. Does the o/o maintain inspection records for at least three years from the date of the inspection? [40 CFR 264/265.15(d)] (Include copies of inspection records)		✓
<b>E. Personnel Training</b>		
E.1. Has the o/o developed and implemented a training program for those employees who manage HW? [40 CFR 264/265.16(a)] If no, skip to E.2.		✓
E.1.1. Does the o/o ensure the training is directed by a person trained in HW management procedures? [40 CFR 264/265.16(a)(2)]		✓
E.1.2. Does the o/o ensure the training includes EACH of the following: (1) procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment; (2) key parameters for automatic waste feed cut-off systems; (3) use of communications or alarm systems; (4) responses to fires or explosions; (5) responses to groundwater contamination incidents; AND (6) procedures for shutdown of operations? [40 CFR 264/265.16(a)(3)] (Note: OSHA emergency response training that includes these items is satisfactory for meeting this requirement)		✓
E.2. Does the o/o ensure each new or reassigned employee receives training within 6 months of employment or reassignment? [40 CFR 264/265.16(b)]		✓
E.3. Does the o/o ensure each employee receives an annual review of training? [40 CFR 264/265.16(c)] (Include copies of sign-in sheets or other documentation of training)		✓
E.4. Does the o/o maintain EACH of the following records at the facility: (1) the job title & name of each employee for all positions related to HW management; (2) a written job description for each position related to HW management, to include requisite skill, education, or other qualifications; (3) a written description of the type and amount of introductory and continuing education to be provided to the employee in each position; AND (4) records to document employee training? [40 CFR 264/265.16(d)]		✓
E.5. Does the o/o maintain training records of former employees for at least 3 years after employment ended? [40 CFR 264/265.16(e)]		✓
<b>F. Ignitable, Reactive, or Incompatible Wastes</b>		
F.1. Does the o/o ensure ignitable, reactive, and incompatible wastes are separated and protected from sources of ignition or reaction? [40 CFR 264/265.17(a)]		✓
F.2. Does the o/o ensure smoking and open flames are confined to specially designated areas? [40 CFR 264/265.17(a)]		✓
F.3. Does the o/o ensure "No Smoking" signs are conspicuously placed in areas where ignitable or reactive wastes are handled? [40 CFR 264/265.17(a)]		✓

all inspection requirements met

all personnel trained in management procedures and emergency response for their area

# Oklahoma Department of Environmental Quality

## TSD FACILITY INSPECTION REPORT

EPA ID#

DATE

OKD990750960

4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
<b>G. Preparedness &amp; Prevention</b>		
G.1. Does the o/o ensure the facility is maintained and operated to minimize releases of HW or constituents to air, soil or surface water? [40 CFR 264/265.31]	✓ →	
G.2. Does the o/o provide internal communications or an alarm system capable of providing immediate emergency instruction to personnel? [40 CFR 264/265.32(a)]	✓	
G.3. Does the o/o provide a telephone or radio that is immediately available to call emergency personnel? [40 CFR 264/265.32(b)]	✓	
G.4. Does the o/o provide fire extinguishers, spill control equipment, decontamination equipment, and water at adequate volume and pressure? [40 CFR 264/265.32(c) and (d)]	✓	
G.5. Does the o/o ensure all facility communications, alarms, fire protection equipment, and spill control equipment is tested and maintained as necessary to assure proper operation? [40 CFR 264/265.33]	✓	
G.6. Does the o/o ensure all personnel managing hazardous waste have immediate access to an internal alarm or emergency communication device? [40 CFR 264/265.34(a)]	✓	
G.7. When only one employee is on the premises, does the o/o ensure that employee has immediate access to a device capable of summoning external emergency assistance? [40 CFR 264/265.34(b)]	NA	
G.8. Does the o/o ensure there is sufficient aisle space to allow unobstructed movement of personnel and equipment in storage areas? [40 CFR 264/265.35]	✓	
G.9. Has the o/o provided local authorities with facility layout, properties of HW, locations of work areas, road entrances and evacuation routes? [40 CFR 264/265.37(a)(1)]	✓	
G.10. Has the o/o made agreements with emergency response contractors and equipment suppliers? [40 CFR 264/265.37(a)(3)]	✓	
G.11. Has the o/o provided local hospitals with properties of HW handled and types of injuries possible? [40 CFR 264/265.37(a)(4)]	✓	
<b>H. Contingency Plan and Emergency Procedures</b>		
H.1. Does the o/o have a contingency plan at the facility? [40 CFR 264/265.51(a) & 53(a)]	✓	
H.2. Has the o/o provided a copy of the contingency plan to all applicable local police and fire departments, hospitals, and emergency response teams? [40 CFR 264/265.53(b)]	✓	
H.3. Does the contingency plan describe actions to be taken by facility personnel in response to fires, explosions, or releases of HW or HW constituents? [40 CFR 264/265.52(a)]	✓	
H.4. Does the contingency plan include a description of arrangements with local authorities? [40 CFR 264/265.52(c)]	✓	
H.5. Does the contingency plan include an up-to-date list of persons qualified to act as emergency coordinator? [40 CFR 264/265.52(d)]	✓	
H.6. Does the o/o ensure one person is listed as the primary emergency coordinator, with other persons listed in the order in which they will assume emergency coordinator responsibilities? [40 CFR 264/265.52(d)]	✓	
H.7. Does the contingency plan include an up-to-date list of all emergency and decontamination equipment, its location, a brief description of the equipment, and a brief outline of its capabilities? [40 CFR 264/265.52(e)]	✓	
H.8. Does the contingency plan include an employee evacuation plan (to include evacuation signals, primary routes, and alternate routes)? [40 CFR 264/265.52(f)]	✓	
H.9. Did the o/o amend the contingency plan in the event of a regulatory change, plan failure during an emergency, the facility changes, the emergency coordinators change, or emergency equipment changes? [40 CFR 264/265.54] (Note: Identify date and nature of any event which required an amendment, whether the amendment occurred or not)	✓	
H.10. Does the o/o ensure the emergency coordinator is on-site or on-call at all times? [40 CFR 264/265.55]	✓	
H.11. Does the o/o ensure the emergency coordinator is thoroughly familiar with all aspects of the contingency plan, facility operations, wastes managed, location of records, and has the authority to commit the resources to carry out the contingency plan? [40 CFR 264/265.55]	✓	
H.12. If there have been no incidents requiring implementation of the contingency plan, skip to Section I. (Note: Identify date(s), nature, and quantities of releases)	NA	
H.12.1. Did the o/o carry out the provisions of the contingency plan during a fire, explosion, or release of HW or HW constituents? [40 CFR 264/265.51(b)]		
H.12.2. Did the o/o immediately notify the DEQ? [OAC 252:205-13-1(a)]		

Area of concern for G.1 with respect to Historic waste found in powerhouse #II and shed by the flare area. This concern is being addressed in the LQG report.

# Oklahoma Department of Environmental Quality

## TSD FACILITY INSPECTION REPORT

EPA ID#

DATE

OKD 990730960

4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
H.12.3. Did the o/o submit a written report regarding the incident to the DEQ that included all of the following: (1) name, address, and phone number of the o/o; (2) name, address, and phone number of the facility; (3) date, time, and type of incident; (4) name and quantity of materials involved; (5) extent of any injuries; (6) assessment of actual or potential hazards to health or the environment; and (7) estimated quantity and disposition of material resulting from the incident? [40 CFR 264/265.56(i)]		NA
H.12.4. Did the o/o ensure proper disposal of wastes generated as a result of the incident? [OAC 252:205-13-1(e)]		NA
<b>I. Manifest Requirements</b> (Identify number of manifests reviewed: 45)		
I.1. Does the o/o ensure each manifest is signed and dated when hazardous waste is received? [40 CFR 264/265.71(a)(1)]		✓
I.2. Does the o/o ensure that discrepancies are noted on each copy of the manifest? [40 CFR 264/265.71(a)(2)]		- NA NO discrepancies
I.3. Does the o/o ensure a copy of the manifest is returned to the generator within 30 days of receipt of the waste? [40 CFR 264/265.71(a)(4)]		✓
I.4. Does the o/o maintain copies of manifests for at least three years from the date of receipt? [40 CFR 264/265.71(a)(5)]		✓
I.5. Upon discovery of a significant discrepancy, does the o/o attempt to reconcile the discrepancy with the generator or transporter? [40 CFR 264/265.72(b)]		✓
I.6. If a significant discrepancy was not resolved within 15 days after receipt of the waste, did the o/o submit a letter to the DEQ describing the discrepancy and attempts to reconcile it, along with a copy of the manifest in question? [40 CFR 264/265.72(b)]		✓
I.7. If the o/o accepted hazardous waste that was not accompanied by a manifest, was an unmanifested waste report submitted to the DEQ? [40 CFR 264/265.76]		NA
I.8. Was the unmanifested waste report submitted within 15 days of receipt of the waste? [40 CFR 264/265.76(a)]		NA
I.9. Did the unmanifested waste report include EACH of the following: (1) EPA ID number, name, and address of the facility; (2) date the waste was received; (3) EPA ID number, name, and address of the generator and transporter; (4) description and quantity of unmanifested waste received; (5) method of treatment, storage, or disposal of the waste; (6) certification signed by the o/o or authorized representative, AND (7) brief explanation of why the waste was unmanifested. [40 CFR 264/265.76(a) - (g)]		NA
<b>J. Recordkeeping and Reporting</b>		
J.1. Does the o/o maintain the following in the operating record for the time specified: [40 CFR 264/265.73] (Identify which standards are met, or N/A)		
✓ a description and the quantity of each hazardous waste received and the methods and dates of its treatment, storage, or disposal? (until closure)		
✓ the location of each hazardous waste within the facility and the quantity at each location, to include, if applicable, a map or diagram of each disposal cell? (until closure)		
✓ records and results of waste analyses and waste determinations? (3 years)		
✓ reports of all incidents requiring implementation of the contingency plan? (3 years)		
✓ records and results of site inspections? (3 years)		
✓ monitoring, testing, or analytical data and corrective action (if required)? (3 years, except until closure for groundwater monitoring data)		
✓ notices to generators for waste received from off-site? (3 years)		
✓ all closure and post-closure cost estimates? (until closure)		
✓ annual certification that there is a waste reduction program in place? (3 years)		
✓ records of the quantities of hazardous waste placed into land disposal units under an extension to the effective date of any land disposal restriction? (until closure)		
✓ copies of LDR notifications from generators? (3 years)		
✓ monitoring data required by 40 CFR 264.345 for HW incinerators? (5 years)		
✓ certification of major repairs on tanks required by 40 CFR 264/265.196(f)? (until closure)		

# Oklahoma Department of Environmental Quality

## TSD FACILITY INSPECTION REPORT

EPA ID#

DATE

OKD 990750966

4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
J.2. Does the o/o prepare and submit a Biennial Report to the DEQ by March 1 <sup>st</sup> of each even numbered year, or April 1 <sup>st</sup> if approved by DEQ? [40 CFR 264/265.75]		✓ - Biennial submitted timely
J.3. Does the o/o submit monthly reports to the DEQ? [OAC 252:205-9-2]		✓
J.4. Does the o/o remit required fees to the DEQ? [OAC 252:205-21-4(c)]		
<b>K. Container Management</b>		
K.1. Does the o/o ensure each container of HW is in good condition? [40 CFR 264/265.171] If yes, skip to K.2.		✓
K.1.1. Has the o/o transferred the waste into a container that is in good condition, or managed the waste in another way to prevent leaks? [40 CFR 264/265.171]		✓
K.2. Does the o/o ensure each container of HW is made of or lined with materials that are compatible with the waste being stored? [40 CFR 264/265.172]		✓
K.3. Does the o/o ensure each container of HW is closed, except when adding or removing waste? [40 CFR 264/265.173(a)]		✓
K.4. Does the o/o ensure each container of HW is opened, handled, or stored in a manner to prevent ruptures or leaks? [40 CFR 264/265.173(b)]		✓
K.5. Does the o/o ensure each HW container storage area is inspected at least weekly for leaks or deterioration of containers and the containment system? [40 CFR 264/265.174]		✓ all containers in good condition
K.6. Does the o/o ensure each container holding ignitable or reactive waste is stored at least 50 feet from the facility property line? [40 CFR 264/265.176]		✓
K.7. Does the o/o prevent incompatible wastes and/or materials from being placed into the same container? [40 CFR 264/265.177(a)] If yes, skip to K.8.		✓ Some labels were fading
K.7.1. Does the o/o ensure mixing of incompatible wastes and/or materials is performed in a manner to prevent the generation of extreme heat, pressure, fire/explosion, violent reaction, uncontrolled toxic vapors or dust, uncontrolled flammable fumes, damage to structural integrity, or other problems that threaten human health or the environment? [40 CFR 264/265.177(a) → 264/265.17(b)]		✓ But still legible
K.8. Does the o/o ensure HW is not placed in an unwashed container that previously held an incompatible waste or material? [40 CFR 264/265.177(b)] If yes, skip to K.9.		✓
K.8.1. (Note: only applicable to interim status facilities) Does the o/o ensure mixing of incompatible wastes and/or materials is performed in a manner to prevent the generation of extreme heat, pressure, fire/explosion, violent reaction, uncontrolled toxic vapors or dust, uncontrolled flammable fumes, damage to structural integrity, or other problems that threaten human health or the environment? [40 CFR 265.177(b) → 265.17(b)]		✓
K.9. Does the o/o ensure incompatible wastes and/or materials are physically separated by a dike, berm, wall, or other device? [40 CFR 264/265.177(c)]		✓
K.10. Does the o/o ensure the number of containers or quantity of waste in the container storage area does not exceed that allowed by the permit? [Permit] (If no, identify the container storage area, the amount authorized by the permit and the amount being stored)		✓
(Note: Items K.11. through K.16. do not apply to interim status facilities)		
K.11. Does the o/o ensure each container storage area has a containment system? [40 CFR 264.175(a)]		✓
K.12. Does the containment system include a base that is free of cracks or gaps and sufficiently impervious to contain leaks or spills? [40 CFR 264.175(b)(1)]		✓
K.13. Does the containment system meet ONE of the following: (Identify which standard is met) <input checked="" type="checkbox"/> the base of the containment system is sloped or otherwise designed to drain liquids; OR <input checked="" type="checkbox"/> containers are elevated or otherwise protected from contact with accumulated liquids? [40 CFR 264.175(b)(2)]		
K.14. Is the containment system designed with sufficient capacity to contain 10% of the volume of the containers, or the volume of the largest container, whichever is greater? [40 CFR 264.175(b)(3)]		✓
K.15. Is the containment system designed to prevent run-on OR is it designed with sufficient excess capacity to contain run-on? [40 CFR 264.175(b)(4)]		✓
K.16. Does the o/o ensure liquids are removed from the containment system in as timely a manner as necessary to prevent overflow? [40 CFR 264.175(b)(5)]		✓

# Oklahoma Department of Environmental Quality

## TSD FACILITY INSPECTION REPORT

EPA ID#

DATE

OKD 99075 0960

4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
<b>L. Closure Requirements</b> <b>L.1.</b> Does the o/o have an approved closure plan that includes EACH of the following: (Identify which standards are met) <input checked="" type="checkbox"/> a description of how each hazardous waste management unit at the facility will be closed? [40 CFR 264/265.112(b)(1)] <input checked="" type="checkbox"/> a description of how final closure of the facility will be conducted? [40 CFR 264/265.112(b)(2)] <input checked="" type="checkbox"/> identification of the maximum extent of operations which will be unclosed during the active life of the facility? [40 CFR 264/265.112(b)(2)] <input checked="" type="checkbox"/> an estimate of the maximum inventory of hazardous waste ever on-site over the active life of the facility? [40 CFR 264/265.112(b)(3)] <input checked="" type="checkbox"/> a description of methods to be used during partial closures and final closure? [40 CFR 264/265.112(b)(3)] <input checked="" type="checkbox"/> a description of steps needed to remove or decontaminate all hazardous waste residues and contaminated structures and equipment? [40 CFR 264/265.112(b)(4)] <input checked="" type="checkbox"/> a description of groundwater monitoring procedures, leachate management, run-on/run-off controls, and other activities necessary to achieve final closure? [40 CFR 264/265.112(b)(5)] <input checked="" type="checkbox"/> a schedule for closure of each hazardous waste management unit and final closure of the facility? [40 CFR 264/265.112(b)(6)] <input checked="" type="checkbox"/> an estimate of the expected year of final closure (if using a trust fund as the financial assurance mechanism)? [40 CFR 264/265.112(b)(7)] <input checked="" type="checkbox"/> any alternative closure requirements required by the DEQ? [40 CFR 264/265.112(b)(8)]	X	closure, Post closure, HSWA. Tied to permit OP990750960 This permit has <u>lapsed</u> . Sinclair is working with ODEQ permitting to resolve this issue. Correction include decision to open a new permit, Amend permit P.L. 990750960 or Revoke and reinstate permit P.L. 990750960 And provide timeline.
<b>L.2.</b> Did the o/o submit a revised closure plan whenever: (1) changes in operating plans or facility design affected the closure plan; (2) there was a change in the expected year of closure; or (3) unexpected events require a modification to the approved closure plan? [40 CFR 264.112(c)(2)/265.112(c)(1)]		
<b>L.3.</b> Did the o/o submit a revised closure plan within 60 days of an event requiring a modification to the plan? [40 CFR 264/265.112(c)(3)]		
<b>L.4.</b> If no hazardous waste management units have begun or are undergoing closure activities, skip to L.5		
<b>L.4.1.</b> Did the o/o notify the DEQ in writing at least 60 days prior to the date he expected to begin closure of a surface impoundment, waste pile, land treatment unit, or landfill unit, or final closure of a facility with such a unit? [40 CFR 264/265.112(d)(1)]		
<b>L.4.2.</b> Did the o/o notify the DEQ in writing at least 45 days prior to the date he expected to begin final closure of a facility with only treatment or storage tanks, container storage, or incinerator units? [40 CFR 264/265.112(d)(1)]		
<b>L.4.3.</b> Did the o/o notify the DEQ in writing at least 45 days prior to the date he expected to begin partial or final closure of a BIF? [40 CFR 264/265.112(d)(1)]		
<b>L.4.4.</b> Did the o/o treat, remove from the unit or facility, or dispose on-site, all hazardous waste within 90 days of the final receipt of waste into the unit or facility (or an alternative length of time as approved by the DEQ)? [40 CFR 264/265.113(a)]		
<b>L.4.5.</b> Did the o/o complete partial or final closure activities within 180 days of the date waste was finally received into the unit or facility (or an alternative length of time as approved by the DEQ)? [40 CFR 264/265.113(b)]		
<b>L.5.</b> If no hazardous waste management units have completed closure activities, skip to Section M.		
<b>L.5.1.</b> Did the o/o submit a certification of closure within 60 days of completion of closure of each hazardous waste surface impoundment, waste pile, land treatment unit, or landfill? [40 CFR 264/265.115]		
<b>L.5.2.</b> Did the o/o submit a certification of final closure within 60 days of final closure of the facility? [40 CFR 264/265.115]		
<b>L.5.3.</b> Did the certification demonstrate the unit or facility was closed in accordance with the closure plan? [40 CFR 264/265.115]		
<b>L.5.4.</b> Was the certification signed by the o/o and a qualified professional engineer? [40 CFR 264/265.115]		
<b>L.5.5.</b> With the closure certification, did the o/o include a survey plat indicating the location and dimension of landfill cells or other hazardous waste disposal units? [40 CFR 264/265.116]		
<b>L.5.6.</b> Did the o/o ensure the location and dimensions were surveyed with respect to permanently surveyed benchmarks? [40 CFR 264/265.116]		

# Oklahoma Department of Environmental Quality

## TSD FACILITY INSPECTION REPORT

EPA ID#

DATE

01099075 0960  
4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
L.5.7. Did the o/o ensure the survey plat was prepared and certified by a professional land surveyor? [40 CFR 264/265.116]		✓
L.5.8. Did the o/o ensure the survey plat was also submitted to the local zoning authority or the authority with jurisdiction over local land use? [40 CFR 264/265.116]		✓
L.5.9. Did the o/o ensure the survey plat included a notice stating the o/o's obligation to restrict disturbance of the hazardous waste disposal units? [40 CFR 264/265.116]		✓
<b>M. Post-closure Requirements</b> (Note: Complete this Section only if regulated units include surface impoundments, land treatment units, landfills, or waste piles)		
M.1. Has the o/o begun post-closure care for each hazardous waste management unit after completion of closure activities for the unit? [40 CFR 264/265.117(a)]	✓	See L.1
M.2. Does the o/o ensure that post-closure use of areas in which hazardous waste remains after closure does not disturb the integrity of final cover, liners, monitoring systems, or any other components of the containment system? [40 CFR 264/265.117(c)] If yes, skip to M.3.		✓
M.2.1. Has the DEQ approved of the disturbance? [40 CFR 264/265.117(c)]		
M.3. Does the o/o have an approved post-closure plan that includes EACH of the following: (Identify which standards are met) <input checked="" type="checkbox"/> a description of the planned monitoring activities and frequencies at which they will be performed? [40 CFR 264.118(b)(1)/265.118(c)(1)] <input checked="" type="checkbox"/> a description of the planned maintenance activities and frequencies they will be performed? [40 CFR 264.118(b)(2)/265.118(c)(2)] <input checked="" type="checkbox"/> the name, address, and phone number for a facility contact during the post-closure period? [40 CFR 264.118(b)(3)/265.118(c)(3)] <input checked="" type="checkbox"/> a description of any alternative requirements that have been approved by the DEQ? [40 CFR 264.118(b)(4)/265.118(c)(5)]		
M.4. Did the o/o submit a revised post-closure plan whenever: (1) changes in operating plans or facility design affected the post-closure plan; (2) there was a change in the expected year of final closure; or (3) unexpected events require a modification to the approved post-closure plan? [40 CFR 264.118(d)(2)/265.118(d)(1)]		✓
M.5. Did the o/o submit a revised post-closure plan within 60 days of an event requiring a modification to the plan? [40 CFR 264/265.118(d)(3)]		✓
<b>N. Financial Assurance</b> (Note: Not required for Federal Facility TSDs)		
<b>Closure</b>		
N.1. Does the o/o have a detailed written estimate of closure costs? [40 CFR 264/265.142(a)] (Identify current closure cost estimate and date approved) \$		✓
N.1.1. Do the closure cost estimates equal the cost of final closure at the point when closure would be most expensive? [40 CFR 264/265.142(a)(1)]		✓
N.1.2. Do the closure cost estimates detail the cost of hiring a third party to perform closure? [40 CFR 264/265.142(a)(2)]		✓
N.1.3. Has the o/o adjusted closure costs for inflation within 60 days prior to the anniversary date of the establishment of the financial assurance mechanism? [40 CFR 264/265.142(b)]		✓
N.1.4. Has the o/o revised closure cost estimates within 30 days of approval of a closure plan modification? [40 CFR 264/265.142(c)]		✓
N.2. Has the o/o established financial assurance for closure through at least one of the following financial assurance mechanisms? [40 CFR 264/265.143] (Identify which closure financial assurance mechanism(s) is(are) used) <input checked="" type="checkbox"/> Trust fund <input type="checkbox"/> Surety bond <input type="checkbox"/> Financial test/guarantee <input checked="" type="checkbox"/> Insurance <input type="checkbox"/> Letter of credit		✓
N.2.1. Is the wording of the financial assurance mechanism as specified in 40 CFR 264.151? [40 CFR 264/265.143]		✓
N.2.2. If a trust fund is used as a financial assurance mechanism, has the o/o made proper annual payments into the trust? [40 CFR 264/265.143(a)(3)] (Identify closure trust fund balance and date) \$		✓

# Oklahoma Department of Environmental Quality

## TSD FACILITY INSPECTION REPORT

EPA ID#

DATE

OKD 990750960

4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
<i>Post-Closure (Note: Complete this portion only if regulated units include surface impoundments, land treatment units, landfills, or waste piles, or if the facility is otherwise required to have post-closure financial assurance)</i>		
N.3. Does the o/o have a detailed written estimate of post-closure costs? [40 CFR 264/265.144(a)] (Identify current post-closure cost estimate and date approved) \$		✓
N.3.1. Do the post-closure cost estimates detail the cost of hiring a third party to perform post-closure activities? [40 CFR 264/265.144(a)(1)]		✓
N.3.2. Has the o/o adjusted post-closure costs for inflation within 60 days prior to the anniversary date of the establishment of the financial assurance mechanism? [40 CFR 264/265.144(b)]		✓
N.3.3. Has the o/o revised post-closure cost estimates within 30 days of approval of a post-closure plan modification? [40 CFR 264/265.144(c)]		✓
N.4. Has the o/o established financial assurance for post-closure through at least one of the following financial assurance mechanisms? [40 CFR 264/265.145] (Identify which post-closure financial assurance mechanism(s) is(are) used)  <input type="checkbox"/> Trust fund <input type="checkbox"/> Surety bond <input type="checkbox"/> Financial test/guarantee <input checked="" type="checkbox"/> Insurance <input type="checkbox"/> Letter of credit		
N.4.1. Is the wording of the financial assurance mechanism as specified in 40 CFR 264.151? [40 CFR 264/265.145]		
N.4.2. If a trust fund is used as a financial assurance mechanism, has the o/o made proper annual payments into the trust? [40 CFR 264/265.145(a)(3)] (Identify post-closure trust fund balance and date) \$		
<b>Liability Requirements</b>		
N.5. Does the o/o maintain liability coverage for bodily injury and property damage to third parties caused by sudden accidental occurrences from facility operations? [40 CFR 264/265.147(a)] (Note: Required for all TSD facilities) If no, skip to N.6.		✓
N.5.1. Is the liability coverage at least \$1 million per occurrence, with an annual aggregate of at least \$2 million, exclusive of legal defense costs? [40 CFR 264/265.147(a)] (Identify amount of coverage) \$ 4,000,000 / \$ 8,000,000		
N.5.2. Has the o/o demonstrated sudden liability coverage through at least one of the following mechanisms? [40 CFR 264/265.147(a)] (Identify which sudden liability mechanism(s) is(are) used)  <input type="checkbox"/> Trust fund <input type="checkbox"/> Surety bond <input type="checkbox"/> Financial test/guarantee <input checked="" type="checkbox"/> Liability Insurance <input type="checkbox"/> Letter of credit		
N.5.3. Is the wording of the liability coverage mechanism for sudden occurrences as specified in 40 CFR 264.151? [40 CFR 264/265.147]		✓
N.5.4. Did the o/o notify the DEQ within 30 days of any claim filed for bodily injury or property damage? [40 CFR 264/265.147(a)(7)]		✓
N.6. Does the o/o maintain liability coverage for bodily injury and property damage to third parties caused by non-sudden accidental occurrences from facility operations? [40 CFR 264/265.147(b)] (Note: Required only for surface impoundments, landfills, land treatment facilities, or disposal miscellaneous units) If no, skip to Section O.		✓
N.6.1. Is the liability coverage at least \$3 million per occurrence, with an annual aggregate of at least \$6 million? [40 CFR 264/265.147(b)] (Identify amount of coverage) \$ 4.1 mil / \$ 8 mil		
N.6.2. Has the o/o demonstrated non-sudden liability coverage through at least one of the following mechanisms? [40 CFR 264/265.147(b)] (Identify which non-sudden liability mechanism(s) is(are) used)  <input type="checkbox"/> Trust fund <input type="checkbox"/> Surety bond <input type="checkbox"/> Financial test/guarantee <input checked="" type="checkbox"/> Liability Insurance <input type="checkbox"/> Letter of credit		✓
N.6.3. Is the wording of the liability coverage mechanism for non-sudden occurrences as specified in 40 CFR 264.151? [40 CFR 264/265.147]		✓
N.6.4. Did the o/o notify the DEQ within 30 days of any claim filed for bodily injury or property damage? [40 CFR 264/265.147(b)(7)]		✓

# Oklahoma Department of Environmental Quality

## TSD FACILITY INSPECTION REPORT

EPA ID#

DATE

OKD 990750966

4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
<b>O. Land Disposal Restrictions</b>		
<b><i>Dilution Prohibition</i></b>		
O.1. Does the o/o ensure dilution:  <input checked="" type="checkbox"/> is not substituted for adequate treatment to achieve treatment standards? [40 CFR 268.3(a)]  OR <input type="checkbox"/> occurs only in a system subject to NPDES or pretreatment requirements (where the treatment standard is concentration-based or DEACT, or the waste is D003 reactive cyanide wastewater or nonwastewater) [40 CFR 268.3(b)] (Note: If technology-based treatment standard is not DEACT, dilution in such a system is impermissible)		no dilution
<b><i>Testing, Tracking, &amp; Recordkeeping</i></b>		
<b><i>Treatment Facilities</i></b>		
O.2. Does the o/o ensure testing of wastes is performed in accordance with the approved waste analysis plan? [40 CFR 268.7(b)]		✓
O.3. Does the o/o ensure a notice containing EACH of the following is included with the initial shipment of waste to the disposal facility: (1) waste codes and manifest number of the first shipment; (2) notice that the waste is subject to LDR; (3) identification of constituents of concern for F001-F005 and F039; (4) underlying hazardous constituents; (5) applicable wastewater and non-wastewater category and subdivision; (6) waste analysis data if available; AND (7) identification of constituents subject to treatment (for contaminated soils only)? [40 CFR 268.7(b)(3)]		✓ Treatment of waste under WW permit
O.4. Does the o/o ensure a new notice is sent whenever the waste or receiving facility is changed? [40 CFR 268.7(b)(3)(i)]		✓
O.5. Does the o/o maintain a copy of the notice in the operating record? [40 CFR 268.7(b)(3)]		✓
O.6. Does the o/o ensure the certification in 40 CFR 268.7(b)(4) is submitted to the disposal facility with the initial shipment of waste? [40 CFR 268.7(b)(4)]		✓
O.7. Does the o/o ensure a new certification is sent whenever the waste or receiving facility is changed? [40 CFR 268.7(b)(4)(i)]		✓
O.8. Does the o/o maintain a copy of the certification in the operating record? [40 CFR 268.7(b)(4)(i)]		✓
<b><i>Disposal Facilities</i></b>		
O.9. Does the o/o maintain copies of the notices and certifications identified in O.3. - O.8. in the operating record? [40 CFR 268.7(c)(1)]		✓ - no HW disposal all waste tested
O.10. Does the o/o ensure testing of wastes is performed in accordance with the approved waste analysis plan? [40 CFR 268.7(c)(2)]		✓
<b><i>Compliance with Treatment Standards</i></b>		
O.11. Does the o/o ensure hazardous waste is not land disposed unless the waste meets the specified concentration-based or technology-based treatment standard? [40 CFR 268.40(a)/268.42(a)] (If no, identify the wastes that were disposed, associated waste code(s), and include documentation to show waste did not meet treatment standard)		✓
O.12. If wastes with different treatment standards are combined for the purpose of treatment, does the o/o ensure the treatment residue meets the lowest treatment standard prior to land disposal? [40 CFR 268.40(c)]		✓
O.13. For characteristic wastes with a treatment standard, does the o/o ensure all underlying hazardous constituents meet the Universal Treatment Standards of 40 CFR 268.48 prior to land disposal? [40 CFR 268.40(e)] (Note: Not applicable to characteristic wastes managed in a CWA-regulated wastewater treatment system or Class I non-hazardous injection well)		✓

**Oklahoma Department of Environmental Quality**  
**TSD FACILITY INSPECTION REPORT**

EPA ID#

DATE

OKD 990750966

4-29-09

Regulatory Requirements	Area of Non-compliance	Remarks
<b>Alternative Standards for Lab Packs</b>		
O.14. If lab packs are disposed without meeting treatment standards, does the o/o ensure EACH of the following conditions are met? ( <i>Identify which standards are met</i> )		
✓ Do the lab packs comply with applicable provisions of 40 CFR 264.316/265.316? [40 CFR 268.43(c)(1)]		
✓ Do the lab packs not include D009, F019, K003 – K006, K062, K071, K100, K106, P010 – P012, P076, P078, U134, U151? [49 CFR 268.43(c)(2)]		
✓ Are the lab packs incinerated in accordance with 40 CFR Part 264/265, Subpart O? [40 CFR 268.43(c)(3)]		
✓ Are incinerator residues containing D004 – D008, D010, or D011 treated to meet treatment standards before disposal? [40 CFR 268.43(c)(4)]		
<b>Treatment Standards for Hazardous Debris</b>		
O.15. Does the o/o ensure ignitable, corrosive, or reactive hazardous debris is treated using one of the methods in Table 1 of 40 CFR 268.45 prior to land disposal? [40 CFR 268.45(a)(2)]		
O.16. For mixtures of debris types, does the o/o ensure each debris type is treated using the applicable treatment technology in Table 1 of 40 CFR 268.45 prior to land disposal? [40 CFR 268.45(a)(3)]		
O.17. For mixtures of contaminant types, does the o/o ensure each contaminant is treated using the applicable treatment technology in Table 1 of 40 CFR 268.45 prior to land disposal? [40 CFR 268.45(a)(4)]		
O.18. Does the o/o ensure immobilization is the last treatment technology used prior to land disposal, if that technology is used in a treatment train? [40 CFR 268.45(a)(3) or (a)(4)]		
O.19. Does the o/o ensure hazardous debris that is also a waste PCB under 40 CFR Part 761 is treated in accordance with 40 CFR 268.45 or 40 CFR Part 761 prior to land disposal, whichever is more restrictive? [40 CFR 268.45(a)(5)]		
O.20. Does the o/o ensure hazardous debris that also exhibits a toxicity characteristic is treated for the characteristic prior to land disposal? [40 CFR 268.45(b)(1)]		
O.21. Does the o/o ensure hazardous debris contaminated with a listed waste is treated for the listed waste prior to land disposal? [40 CFR 268.45(b)(2)]		
O.22. Does the o/o ensure cyanide-reactive hazardous debris is treated for cyanide prior to land disposal? [40 CFR 268.45(b)(3)]		
<b>Standards for Hazardous Debris Treatment Residue</b>		
O.23. Does the o/o ensure residue from the treatment of hazardous debris is separated from the treated debris? [40 CFR 268.45(d)(i)]		
O.24. Does the o/o ensure residue from the treatment of hazardous debris meets the treatment standard of 40 CFR 268.40 prior to land disposal? [40 CFR 268.45(d)(ii)]		
O.25. Does the o/o ensure residue from deactivation of ignitable, corrosive, or reactive (other than cyanide reactive) characteristic debris is deactivated prior to land disposal? [40 CFR 268.45(d)(2)] ( <i>Note: Not applicable if the residue exhibits a toxicity characteristic, is contaminated with a listed waste, or is from treatment of cyanide-reactive debris</i> )		
O.26. Does the o/o ensure residue from the treatment of cyanide-reactive hazardous debris meets the treatment standards for D003 in 40 CFR 268.40 prior to land disposal? [40 CFR 268.45(d)(3)]		
O.27. Does the o/o ensure ignitable nonwastewater residue with ≥ 10% TOC meets the treatment standard for D001 ignitable liquids in 40 CFR 268.40 prior to land disposal? [40 CFR 268.45(d)(4)]		
O.28. Does the o/o ensure layers of debris removed by spalling meet the treatment standards of Table 1 in 40 CFR 268.45 prior to land disposal? [40 CFR 268.45(d)(5)]		
<b>Prohibitions on Storage of Restricted Wastes</b>		
O.29. Does the o/o ensure each container storing HW is clearly marked to identify its contents and the date each period of accumulation began? [40 CFR 268.50(a)(2)(i)]		

- lab packs sent to PCI for disposal

NA

NO HAZ DEBRIS

NA

✓

**Oklahoma Department of Environmental Quality**  
**TSD FACILITY INSPECTION REPORT**

EPA ID#

DATE

OKD 990750960

Regulatory Requirements	Area of Non-compliance	Remarks
<p>O.30. Does the o/o ensure each tank storing HW meets ONE of the following: (Identify which standard is met)</p> <p><input checked="" type="checkbox"/> is clearly marked with: (1) a description of its contents; (2) the quantity of each HW received; and (3) the date each period of accumulation began;</p> <p>OR</p> <p><input type="checkbox"/> such information for each tank is maintained in the operating record? [40 CFR 268.50(a)(2)(ii)]</p>		<p>no HW tank</p>
<p>O.31. Does the o/o ensure HW is stored for one year or less? [40 CFR 268.50(b)] (Note: If no, provide a complete description, to include waste name, location, date storage began, and reason for length of storage)</p>		
<p>O.31.1. If HW is stored more than one year, has the o/o demonstrated such storage is solely to accumulate sufficient quantities to facilitate proper recovery, treatment, or disposal? [40 CFR 268.50(c)]</p>		
<p><b>P. Site Specific Permit Conditions</b></p>		
<p>P.1. Is the o/o meeting all conditions of the facility permit that are not otherwise addressed in this checklist? (Permit) (Note: If no, a complete description of the permit condition and violation noted must be included)</p>		

**INSPECTION TYPE (check each that applies)**

- ☒ **Routine RCRA Compliance Evaluation Inspection**
- ☐ **Limited RCRA Compliance Evaluation Inspection (Circle items inspected)**
- ☐ **CEI Follow-up (Circle items inspected)**
- ☐ **Order Follow-up (Case No./Date \_\_\_\_\_) (Circle items inspected)**
- ☐ **Citizen Complaint (Complaint # \_\_\_\_\_)**

**Comments:**

P.C. activities HSWA AOC and financial assurance tied to permit of 990750960. This needs to be addressed as permit is no longer applicable

**Oklahoma Department of Environmental Quality**  
**TSD FACILITY INSPECTION REPORT**

EPA ID#

DATE

OKD 99075 0960  
4-29-00

I have completed an inspection of your facility to evaluate compliance with the Oklahoma Hazardous Waste Management Act (27A O.S. § 2-7-101, *et seq.*), the Oklahoma Hazardous Waste Management regulations (OAC 252:205) and the federal hazardous waste management regulations (40 CFR Parts 260 - 279).

☐ Based on this inspection, it appears your facility is in compliance with all applicable regulations and statutes, and no further action is required. However, if additional review of the facts established during the inspection reveals areas of non-compliance, I will notify you in writing.

☒ Items marked as "Area of Non-compliance" represent requirements where I have identified the facility to not be in compliance with the applicable statute or regulation. ***Please correct each area of non-compliance and submit documentation to me demonstrating compliance no later than 6-23-09.*** If further review of the facts established during this inspection reveals additional areas of non-compliance or that a violation was identified in error, I will notify you in writing. If you believe I have identified an area of non-compliance in error or if additional time is needed, please submit supporting documentation or a request for an extension within this same period.

This Notice in no way limits the DEQ's authority to pursue additional enforcement such as, but not limited to, an Administrative Order and/or assessment of penalties, based on the nature or gravity of violations found, failure to respond to this Notice, or otherwise in accordance with its statutory authority.

If you have any questions regarding this Notice, please contact me.

(Printed name)

(Signature)

Jonathan King

[Signature]

Oklahoma Department of Environmental Quality  
Land Protection Division

P.O. Box 1677

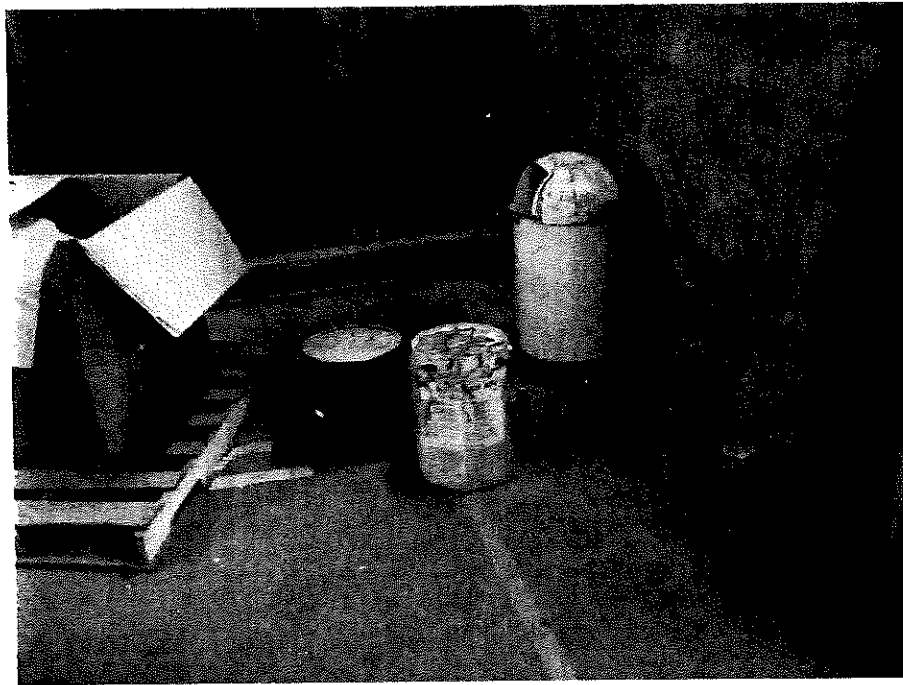
Oklahoma City, OK 73101-1677

Tel: (405) 702-5100

Fax: (405) 702-5101



**ATTACHMENT B**  
**ODEQ Photographic Log**



Location: Sinclair Refining, Tulsa

Photographer: Donald Spear

Description: misplaced chemical product in shipping and receiving need to be returned to maintenance

Date: 4-29-09

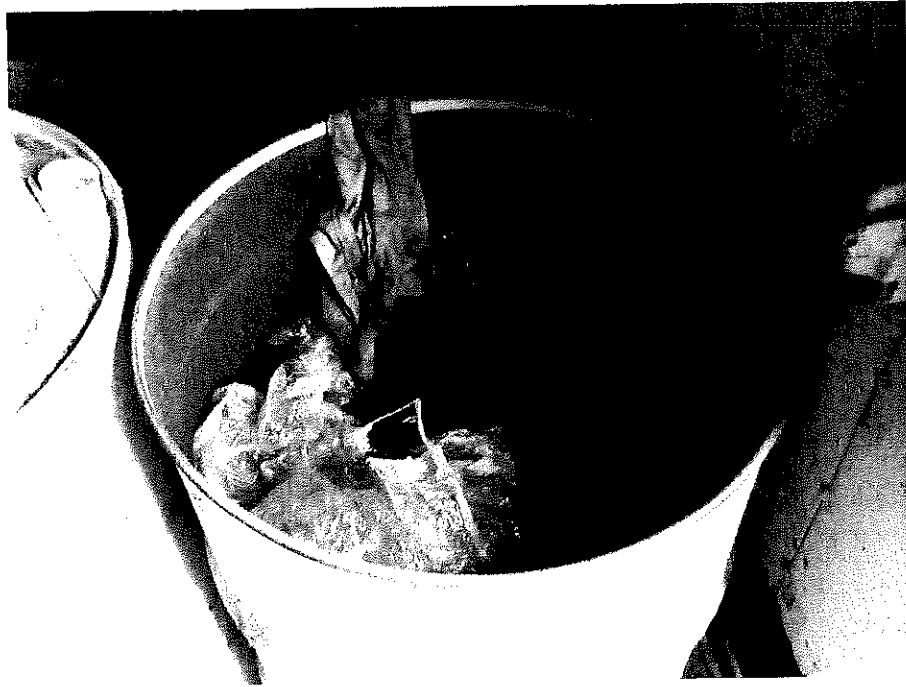


Location: Sinclair Refining, Tulsa

Photographer: Donald Spear

Description: Unlabeled tote outside boiler house

Date: 4-29-2009



Location: Sinclair Refining, Tulsa

Photographer: Donald Spear

Description: drum of waste from laboratory operations needs determination prior to disposal

Date: 4-29 2009

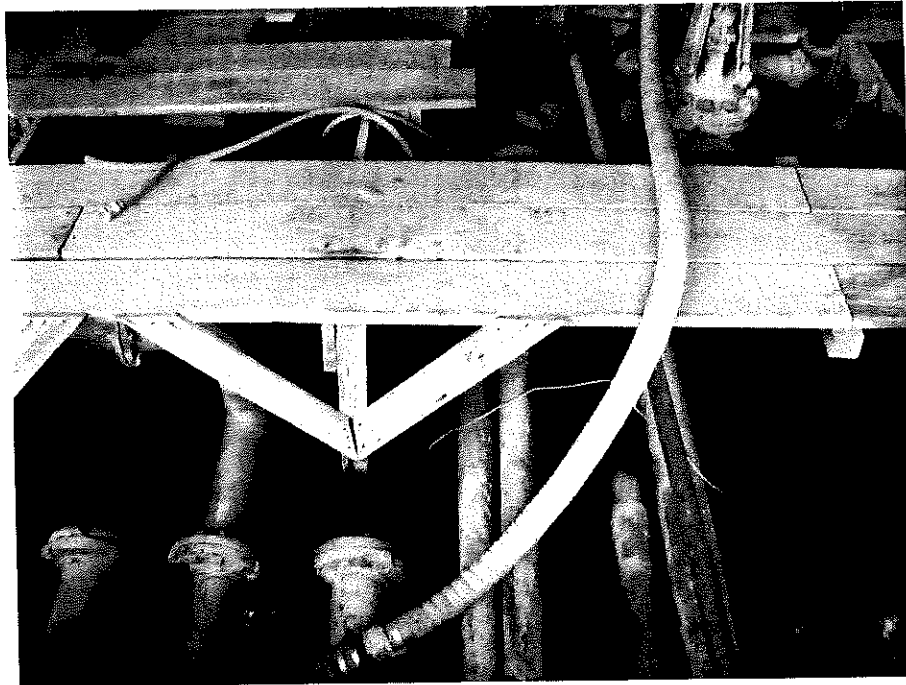


Location: Sinclair Refining, Tulsa

Photographer: Donald Spear

Description: Chemical reagents left unattended

Date: 4-29-2009

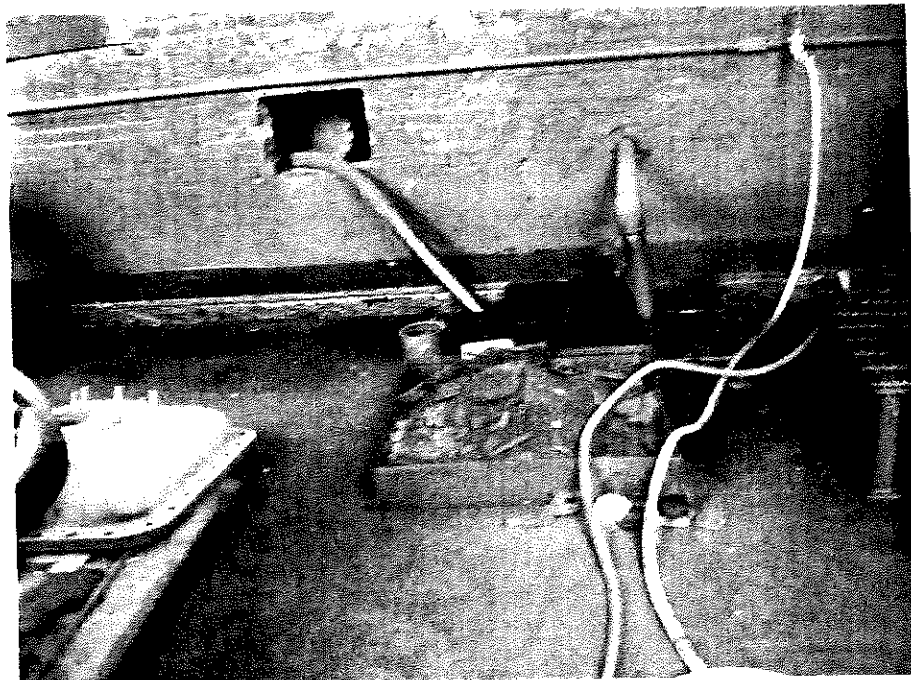


Location: Sinclair Refining, Tulsa

Photographer: Don Spear

Description: Pumphouse #2 suspected K, F listed waste in 2ndary containment

Date: 4-29-2009

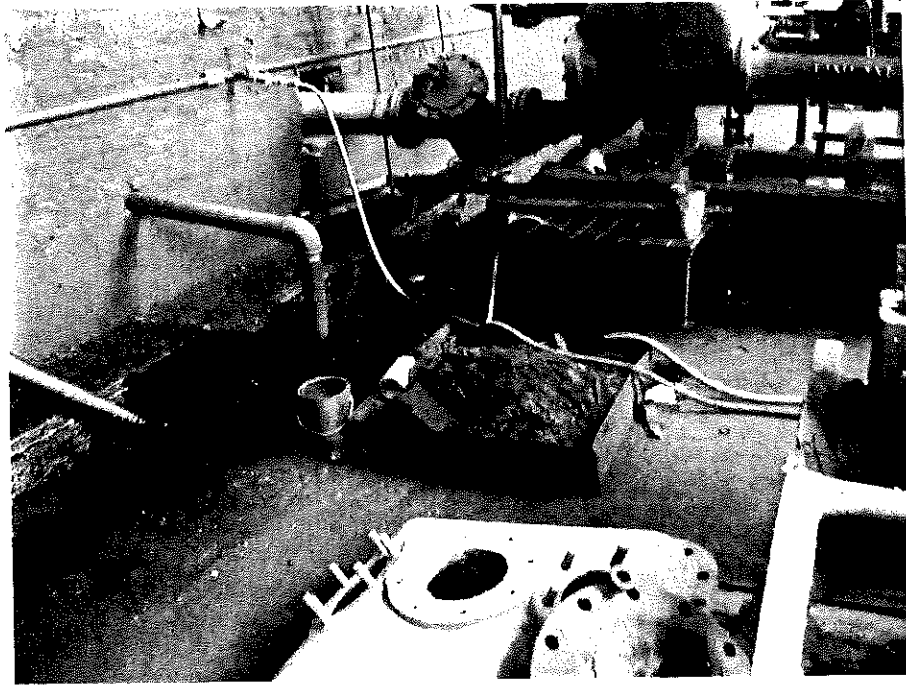


Location: Sinclair Refining, Tulsa

Photographer: Donald Spear

Description: Suspected K, F listed waste from filter cleanout

Date: 4-29-2009



Location: Sinclair Refining, Tulsa

Description: Suspected K, F listed waste from filter cleanout

Photographer: Donald Spear

Date: 4-29-2009



Location: Sinclair Refining, Tulsa

Description: Suspected K, F listed waste in 2ndary containment

Photographer: Donald Spear

Date: 4-29-2009



Location: Sinclair Refining, Tulsa  
Description: Pumphouse #2

Photographer: Donald Spear  
Date: 4-29-2009



Location: Sinclair Refining, Tulsa  
Description: NHIW staging area, faded labeling on drums pending analysis  
Date: 4-29-2009

Photographer: Donald Spear



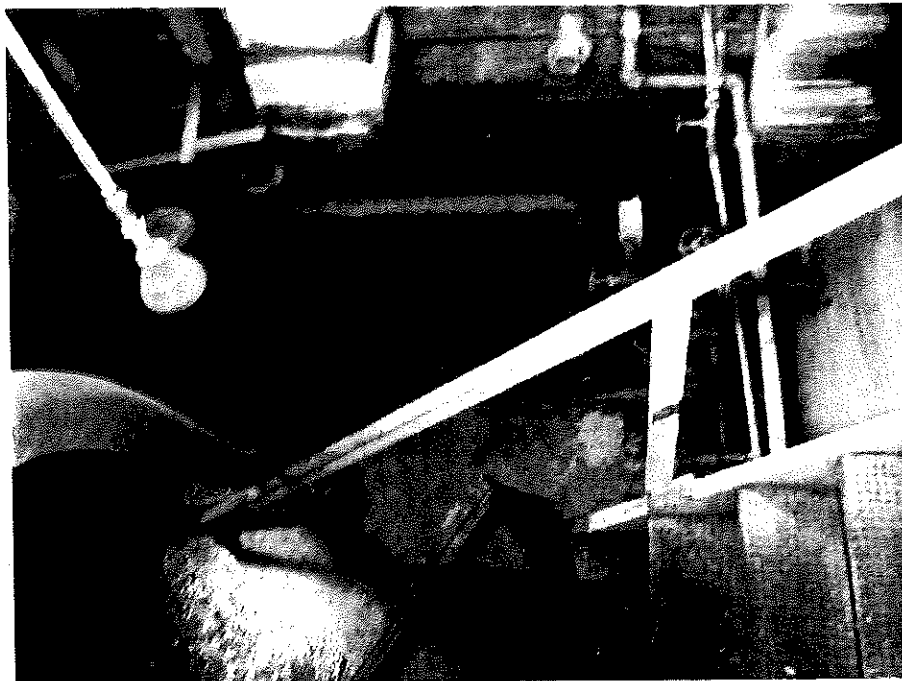
Location: Sinclair Refining, Tulsa  
Description: Haz-waste storage area

Photographer: Donald Spear  
Date: 4-29-2009



Location: Sinclair refining  
Description; Flare area pipe

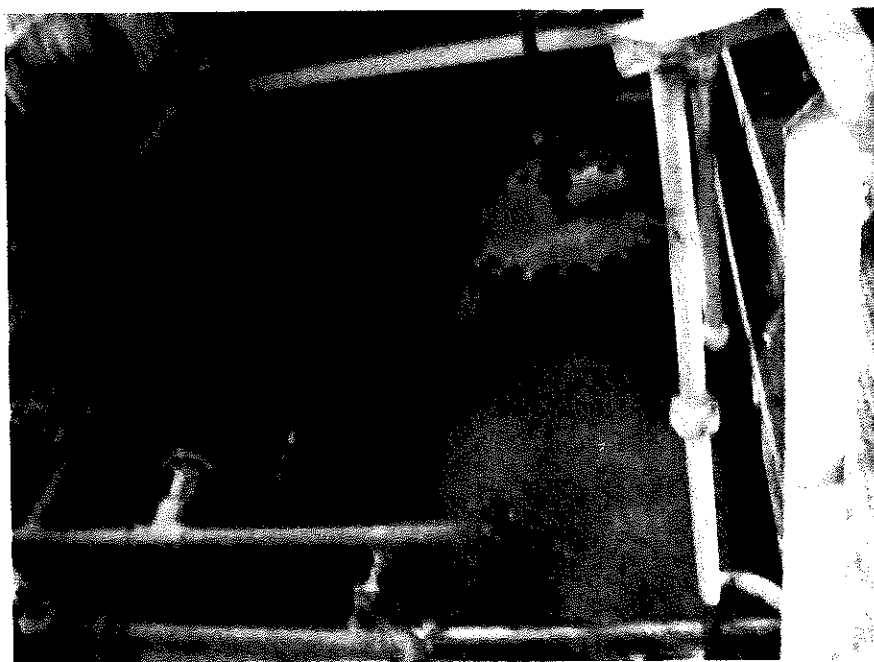
Photographer: Donald Spear  
Date: 4-29-2009



Location: Sinclair Refining, Tulsa

Photographer: Donald Spear

Description: Flare Area abandoned building flooded basement Date; 4-29-2009



Location: Sinclair refining, Tulsa

Photographer: Donald Spear

Description; Flare area vessel in flooded basement not cleaned out

Date; 4-29-2009



**ATTACHMENT C**  
**ODEQ Analytical Report**

Sample Number: 462707  
 Project Code: SW-WE  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected:  
 Date Received: 5/1/2009  
 Date Completed: 05/19/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 05/19/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA					
Name	Qualifier	Value	Units	Analyzed	Method Prep Type
Dilution Factor, Extractab:		1.00			
Acenaphthylene	<	10.0	UG/L	05/15/09	8270DM
Acenaphthene	<	10.0	UG/L	05/15/09	8270DM
Anthracene	<	10.0	UG/L	05/15/09	8270DM
Benzo (b) fluoranthene	<	10.0	UG/L	05/15/09	8270DM
Benzo (k) fluoranthene	<	10.0	UG/L	05/15/09	8270DM
Benzo (a) pyrene	<	10.0	UG/L	05/15/09	8270DM
Bis (2-chloroethyl) ether	<	10.0	UG/L	05/15/09	8270DM
Bis (2-chloroethoxy) methane	<	10.0	UG/L	05/15/09	8270DM
Bis (2-chloroisopropyl) ethe:	<	10.0	UG/L	05/15/09	8270DM
Butylbenzylphthalate	<	10.0	UG/L	05/15/09	8270DM
Chrysene	<	10.0	UG/L	05/15/09	8270DM
Diethylphthalate	<	10.0	UG/L	05/15/09	8270DM
Dimethylphthalate	<	10.0	UG/L	05/15/09	8270DM
Fluoranthene	<	10.0	UG/L	05/15/09	8270DM
Fluorene	<	10.0	UG/L	05/15/09	8270DM
Hexachlorocyclopentadiene	<	10.0	UG/L	05/15/09	8270DM
Hexachloroethane	<	10.0	UG/L	05/15/09	8270DM
Indeno (123cd) pyrene	<	10.0	UG/L	05/15/09	8270DM
Isophorone	<	10.0	UG/L	05/15/09	8270DM
Nitrosodipropylamine	<	10.0	UG/L	05/15/09	8270DM
Nitrosodiphenylamine	<	10.0	UG/L	05/15/09	8270DM
Nitrobenzene	<	10.0	UG/L	05/15/09	8270DM
p-Chloro-m-cresol	<	10.0	UG/L	05/15/09	8270DM
Phenanthrene	<	10.0	UG/L	05/15/09	8270DM
Pyrene	<	10.0	UG/L	05/15/09	8270DM
Benzo (ghi) perylene	<	10.0	UG/L	05/15/09	8270DM
Benzo (a) anthracene	<	10.0	UG/L	05/15/09	8270DM
Dibenzo (ah) anthracene	<	10.0	UG/L	05/15/09	8270DM
2-Chloronaphthalene	<	10.0	UG/L	05/15/09	8270DM
2-Chlorophenol	<	10.0	UG/L	05/15/09	8270DM

Sample Number: 462707  
 Project Code: SW-WE  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected:  
 Date Received: 5/1/2009  
 Date Completed: 05/19/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 05/19/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA						
Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	10.0	UG/L	05/15/09	8270DM	
Di-n-octylphthalate	<	10.0	UG/L	05/15/09	8270DM	
2,4-Dichlorophenol	<	10.0	UG/L	05/15/09	8270DM	
2,4-Dimethylphenol	<	10.0	UG/L	05/15/09	8270DM	
2,4-Dinitrotoluene	<	10.0	UG/L	05/15/09	8270DM	
2,4-Dinitrophenol	<	50.0	UG/L	05/15/09	8270DM	
2,4,6-Trichlorophenol	<	10.0	UG/L	05/15/09	8270DM	
2,6-Dinitrotoluene	<	10.0	UG/L	05/15/09	8270DM	
3,3'-Dichlorobenzidine	<	20.0	UG/L	05/15/09	8270DM	
4-Bromophenylphenyl ether	<	10.0	UG/L	05/15/09	8270DM	
4-Chlorophenylphenyl ether	<	10.0	UG/L	05/15/09	8270DM	
4-Nitrophenol	<	50.0	UG/L	05/15/09	8270DM	
4,6-Dinitro-o-cresol	<	50.0	UG/L	05/15/09	8270DM	
Phenol	<	10.0	UG/L	05/15/09	8270DM	
Naphthalene	<	10.0	UG/L	05/15/09	8270DM	
Pentachlorophenol	<	50.0	UG/L	05/15/09	8270DM	
Bis(2-ethylhexyl)phthalate	<	10.0	UG/L	05/15/09	8270DM	
Di-n-butylphthalate	<	10.0	UG/L	05/15/09	8270DM	
Hexachlorobenzene	<	10.0	UG/L	05/15/09	8270DM	
Hexachlorobutadiene	<	10.0	UG/L	05/15/09	8270DM	
Dibenzofuran	<	10.0	UG/L	05/15/09	8270DM	
2-Methylnaphthalene	<	10.0	UG/L	05/15/09	8270DM	
2-Methylphenol	<	10.0	UG/L	05/15/09	8270DM	
4-Methylphenol	<	10.0	UG/L	05/15/09	8270DM	
2,4,5-Trichlorophenol	<	50.0	UG/L	05/15/09	8270DM	
4-Chloroaniline	<	10.0	UG/L	05/15/09	8270DM	
2-Nitroaniline	<	50.0	UG/L	05/15/09	8270DM	
3-Nitroaniline	<	50.0	UG/L	05/15/09	8270DM	
4-Nitroaniline	<	50.0	UG/L	05/15/09	8270DM	

Sample Number: 462707  
Project Code: SW-WE  
Agency Number:  
Date Collected: 4/30/2009  
Time Collected:  
Date Received: 5/1/2009  
Date Completed: 05/19/2009  
Collected By: JK  
PWS Id:  
Location Code:  
Station:  
Facility:  
Report Date: 05/19/2009

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE ENVIRONMENTAL LABORATORY  
707 N. ROBINSON  
OKLAHOMA CITY  
OKLAHOMA, 73102-6010  
General Inquiries: 1-800-869-1400  
Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**

To: JON KING/LPD

CC: FILE COPY

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2, 4, 6-TRIBROMOPHENOL		95
2-FLUOROBIPHENYL		76
2-FLUOROPHENOL		31
NITROBENZENE-D5		69
P-TERPHENYL-D14		95
PHENOL-D5		25

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NOT ANALYZED			

Summary

Labs performing analysis on this Sample:

GCMS

SOURCE: SINCLAIR REFINING CO

SAMPLERS COMMENTS:

LAB BLANK

ANALYST'S COMMENTS:

Analyst: TGA, Review: MLC

\*

\* ANALYST



Sample Number: 462705  
 Project Code: SW-WP  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected:  
 Date Received: 5/1/2009  
 Date Completed: 05/14/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 05/14/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
**707 N. ROBINSON**  
**OKLAHOMA CITY**  
**OKLAHOMA, 73102-6010**  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**  
 EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA						
Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.00		05/04/09	8260BM	
Bromodichloromethane	<	10.0	UG/L	05/04/09	8260BM	
Carbon tetrachloride	<	10.0	UG/L	05/04/09	8260BM	
Bromoform	<	10.0	UG/L	05/04/09	8260BM	
Chloroform	<	10.0	UG/L	05/04/09	8260BM	
Toluene	<	10.0	UG/L	05/04/09	8260BM	
Benzene	<	10.0	UG/L	05/04/09	8260BM	
Chlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
Dibromochloromethane	<	10.0	UG/L	05/04/09	8260BM	
Chloroethane	<	10.0	UG/L	05/04/09	8260BM	
Ethylbenzene	<	10.0	UG/L	05/04/09	8260BM	
Bromomethane	<	10.0	UG/L	05/04/09	8260BM	
Methylene chloride	<	10.0	UG/L	05/04/09	8260BM	
Tetrachloroethene	<	10.0	UG/L	05/04/09	8260BM	
1,1-Dichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,1-Dichloroethene	<	10.0	UG/L	05/04/09	8260BM	
1,1,1-Trichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,1,2-Trichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dichloropropane	<	10.0	UG/L	05/04/09	8260BM	
trans-1,2-Dichloroethene	<	10.0	UG/L	05/04/09	8260BM	
trans-1,3-Dichloropropene	<	10.0	UG/L	05/04/09	8260BM	
cis-1,3-Dichloropropene	<	10.0	UG/L	05/04/09	8260BM	
Vinyl chloride	<	10.0	UG/L	05/04/09	8260BM	
Trichloroethene	<	10.0	UG/L	05/04/09	8260BM	
Methylisobutyl ketone	<	10.0	UG/L	05/04/09	8260BM	
Carbon disulfide	<	10.0	UG/L	05/04/09	8260BM	
2-Hexanone	<	10.0	UG/L	05/04/09	8260BM	
Styrene	<	10.0	UG/L	05/04/09	8260BM	
Total Xylenes	<	10.0	UG/L	05/04/09	8260BM	

Sample Number: 462705  
 Project Code: SW-WP  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected:  
 Date Received: 5/1/2009  
 Date Completed: 05/14/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 05/14/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**  
 EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA						
Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Acetone	<	10.0	UG/L	05/04/09	8260BM	
Methylethyl Ketone	<	10.0	UG/L	05/04/09	8260BM	
Dichlorodifluoromethane	<	10.0	UG/L	05/04/09	8260BM	
Trichlorofluoromethane	<	10.0	UG/L	05/04/09	8260BM	
1,1,2-Trichloro-1,2,2-trifl	<	10.0	UG/L	05/04/09	8260BM	
Methyl Acetate	<	10.0	UG/L	05/04/09	8260BM	
Methyl tert-butyl ether (M	<	10.0	UG/L	05/04/09	8260BM	
cis-1,2-Dichloroethene	<	10.0	UG/L	05/04/09	8260BM	
Cyclohexane	<	10.0	UG/L	05/04/09	8260BM	
Methylcyclohexane	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dibromoethane	<	10.0	UG/L	05/04/09	8260BM	
Isopropylbenzene	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
1,3-Dichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
1,4-Dichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/L	05/04/09	8260BM	
1,2,4-Trichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
1,2-DICHLOROETHANE-D4		95
4-BROMOFLUOROBENZENE		96
TOLUENE-D8		99

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NONE FOUND		0	

Summary

Labs performing analysis on this Sample:  
 GCMS

Sample Number: 462705  
Project Code: SW-WP  
Agency Number:  
Date Collected: 4/30/2009  
Time Collected:  
Date Received: 5/1/2009  
Date Completed: 05/14/2009  
Collected By: JK  
PWS Id:  
Location Code:  
Station:  
Facility:  
Report Date: 05/14/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE ENVIRONMENTAL LABORATORY**

**707 N. ROBINSON**

**OKLAHOMA CITY**

**OKLAHOMA, 73102-6010**

General Inquiries: 1-800-869-1400

Sample Receiving: (405) 702-1113

**Report of Analysis by GCMS**

EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

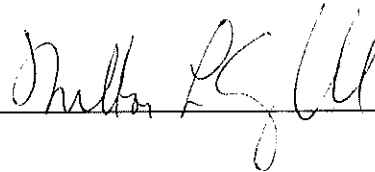
SOURCE: SINCLAIR REFINING CO

SAMPLERS COMMENTS:  
LAB BLANK

ANALYST'S COMMENTS:

\*

\* ANALYST



Sample Number: 462704  
 Project Code: SW-WP  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected:  
 Date Received: 5/1/2009  
 Date Completed: 05/14/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 05/14/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**  
 EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA						
Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.00		05/04/09	8260BM	
Bromodichloromethane	<	10.0	UG/L	05/04/09	8260BM	
Carbon tetrachloride	<	10.0	UG/L	05/04/09	8260BM	
Bromoform	<	10.0	UG/L	05/04/09	8260BM	
Chloroform		16.0	UG/L	05/04/09	8260BM	
Toluene	<	10.0	UG/L	05/04/09	8260BM	
Benzene	<	10.0	UG/L	05/04/09	8260BM	
Chlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
Dibromochloromethane	<	10.0	UG/L	05/04/09	8260BM	
Chloroethane	<	10.0	UG/L	05/04/09	8260BM	
Ethylbenzene	<	10.0	UG/L	05/04/09	8260BM	
Bromomethane	<	10.0	UG/L	05/04/09	8260BM	
Methylene chloride	<	10.0	UG/L	05/04/09	8260BM	
Tetrachloroethene	<	10.0	UG/L	05/04/09	8260BM	
1,1-Dichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,1-Dichloroethene	<	10.0	UG/L	05/04/09	8260BM	
1,1,1-Trichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,1,2-Trichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dichloropropane	<	10.0	UG/L	05/04/09	8260BM	
trans-1,2-Dichloroethene	<	10.0	UG/L	05/04/09	8260BM	
trans-1,3-Dichloropropene	<	10.0	UG/L	05/04/09	8260BM	
cis-1,3-Dichloropropene	<	10.0	UG/L	05/04/09	8260BM	
Vinyl chloride	<	10.0	UG/L	05/04/09	8260BM	
Trichloroethene	<	10.0	UG/L	05/04/09	8260BM	
Methylisobutyl ketone	<	10.0	UG/L	05/04/09	8260BM	
Carbon disulfide	<	10.0	UG/L	05/04/09	8260BM	
2-Hexanone	<	10.0	UG/L	05/04/09	8260BM	
Styrene	<	10.0	UG/L	05/04/09	8260BM	
Total Xylenes	<	10.0	UG/L	05/04/09	8260BM	

Sample Number: 462704  
 Project Code: SW-WP  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected:  
 Date Received: 5/1/2009  
 Date Completed: 05/14/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 05/14/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**  
 EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA						
Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Acetone	<	10.0	UG/L	05/04/09	8260BM	
Methylethyl Ketone	<	10.0	UG/L	05/04/09	8260BM	
Dichlorodifluoromethane	<	10.0	UG/L	05/04/09	8260BM	
Trichlorofluoromethane	<	10.0	UG/L	05/04/09	8260BM	
1,1,2-Trichloro-1,2,2-trifl	<	10.0	UG/L	05/04/09	8260BM	
Methyl Acetate	<	10.0	UG/L	05/04/09	8260BM	
Methyl tert-butyl ether (M	<	10.0	UG/L	05/04/09	8260BM	
cis-1,2-Dichloroethene	<	10.0	UG/L	05/04/09	8260BM	
Cyclohexane	<	10.0	UG/L	05/04/09	8260BM	
Methylcyclohexane	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dibromoethane	<	10.0	UG/L	05/04/09	8260BM	
Isopropylbenzene	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
1,3-Dichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
1,4-Dichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/L	05/04/09	8260BM	
1,2,4-Trichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	

SURROGATE RECOVERIES		RECOVERY %
COMPOUND		
1,2-DICHLOROETHANE-D4		96
4-BROMOFLUOROBENZENE		96
TOLUENE-D8		98

TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH		VALUE	UNITS
COMPOUND			
NONE FOUND		0	

Summary
---------

Labs performing analysis on this Sample:  
 GCMS

Sample Number: 462704  
Project Code: SW-WP  
Agency Number:  
Date Collected: 4/30/2009  
Time Collected:  
Date Received: 5/1/2009  
Date Completed: 05/14/2009  
Collected By: JK  
PWS Id:  
Location Code:  
Station:  
Facility:  
Report Date: 05/14/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
707 N. ROBINSON  
OKLAHOMA CITY  
OKLAHOMA, 73102-6010  
General Inquiries: 1-800-869-1400  
Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**  
EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

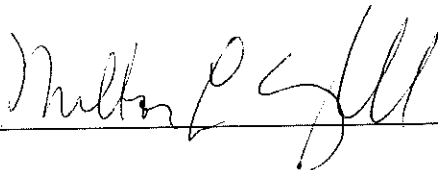
SOURCE: SINCLAIR REFINING CO

SAMPLERS COMMENTS:  
TRIP BLANK

ANALYST'S COMMENTS:

\*

\* ANALYST



Sample Number: 462703  
 Project Code: SW-WP  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected: 1215  
 Date Received: 5/1/2009  
 Date Completed: 05/14/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 05/14/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**  
 EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA						
Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Dilution Factor, Purgeable:		1.00		05/04/09	8260BM	
Bromodichloromethane	<	10.0	UG/L	05/04/09	8260BM	
Carbon tetrachloride	<	10.0	UG/L	05/04/09	8260BM	
Bromoform	<	10.0	UG/L	05/04/09	8260BM	
Chloroform	<	10.0	UG/L	05/04/09	8260BM	
Toluene	<	10.0	UG/L	05/04/09	8260BM	
Benzene	<	10.0	UG/L	05/04/09	8260BM	
Chlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
Dibromochloromethane	<	10.0	UG/L	05/04/09	8260BM	
Chloroethane	<	10.0	UG/L	05/04/09	8260BM	
Ethylbenzene	<	10.0	UG/L	05/04/09	8260BM	
Bromomethane	<	10.0	UG/L	05/04/09	8260BM	
Methylene chloride	<	10.0	UG/L	05/04/09	8260BM	
Tetrachloroethene	<	10.0	UG/L	05/04/09	8260BM	
1,1-Dichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,1-Dichloroethene	<	10.0	UG/L	05/04/09	8260BM	
1,1,1-Trichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,1,2-Trichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,1,2,2-Tetrachloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dichloroethane	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dichloropropane	<	10.0	UG/L	05/04/09	8260BM	
trans-1,2-Dichloroethene	<	10.0	UG/L	05/04/09	8260BM	
trans-1,3-Dichloropropene	<	10.0	UG/L	05/04/09	8260BM	
cis-1,3-Dichloropropene	<	10.0	UG/L	05/04/09	8260BM	
Vinyl chloride	<	10.0	UG/L	05/04/09	8260BM	
Trichloroethene	<	10.0	UG/L	05/04/09	8260BM	
Methylisobutyl ketone	<	10.0	UG/L	05/04/09	8260BM	
Carbon disulfide	<	10.0	UG/L	05/04/09	8260BM	
2-Hexanone	<	10.0	UG/L	05/04/09	8260BM	
Styrene	<	10.0	UG/L	05/04/09	8260BM	
Total Xylenes	<	10.0	UG/L	05/04/09	8260BM	

Sample Number: 462703  
 Project Code: SW-WP  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected: 1215  
 Date Received: 5/1/2009  
 Date Completed: 05/14/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 05/14/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**  
 EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA						
Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
Acetone	<	10.0	UG/L	05/04/09	8260BM	
Methylethyl Ketone	<	10.0	UG/L	05/04/09	8260BM	
Dichlorodifluoromethane	<	10.0	UG/L	05/04/09	8260BM	
Trichlorofluoromethane	<	10.0	UG/L	05/04/09	8260BM	
1,1,2-Trichloro-1,2,2-trifl	<	10.0	UG/L	05/04/09	8260BM	
Methyl Acetate	<	10.0	UG/L	05/04/09	8260BM	
Methyl tert-butyl ether (M	<	10.0	UG/L	05/04/09	8260BM	
cis-1,2-Dichloroethene	<	10.0	UG/L	05/04/09	8260BM	
Cyclohexane	<	10.0	UG/L	05/04/09	8260BM	
Methylcyclohexane	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dibromoethane	<	10.0	UG/L	05/04/09	8260BM	
Isopropylbenzene	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
1,3-Dichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
1,4-Dichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	
1,2-Dibromo-3-chloropropane	<	10.0	UG/L	05/04/09	8260BM	
1,2,4-Trichlorobenzene	<	10.0	UG/L	05/04/09	8260BM	

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
1,2-DICHLOROETHANE-D4		96
4-BROMOFLUOROBENZENE		95
TOLUENE-D8		99

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NONE FOUND		0	

Summary
---------

Labs performing analysis on this Sample:  
 GCMS

Sample Number: 462703  
Project Code: SW-WP  
Agency Number:  
Date Collected: 4/30/2009  
Time Collected: 1215  
Date Received: 5/1/2009  
Date Completed: 05/14/2009  
Collected By: JK  
PWS Id:  
Location Code:  
Station:  
Facility:  
Report Date: 05/14/2009

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE ENVIRONMENTAL LABORATORY  
707 N. ROBINSON  
OKLAHOMA CITY  
OKLAHOMA, 73102-6010  
General Inquiries: 1-800-869-1400  
Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**  
EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

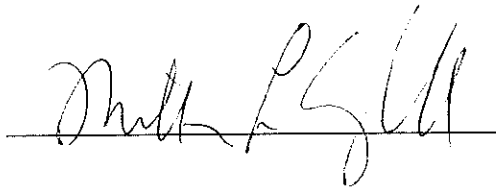
SOURCE: SINCLAIR REFINING CO

SAMPLERS COMMENTS:  
CP-01;SAMPLE IS FROM COMPLIANCE POINT # 1

ANALYST'S COMMENTS:

\*

\* ANALYST



Sample Number: 462706  
Project Code: SW-WE  
Agency Number:  
Date Collected: 4/30/2009  
Time Collected: 1215  
Date Received: 5/1/2009  
Date Completed: 06/01/2009  
Collected By: JK  
PWS Id:  
Location Code:  
Station:  
Facility:  
Report Date: 06/01/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**

707 N. ROBINSON  
OKLAHOMA CITY  
OKLAHOMA, 73102-6010  
General Inquiries: 1-800-869-1400  
Sample Receiving: (405) 702-1113

**Report of Analysis by Metals**  
EPA Drinking Water Certification #OK00013

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA					
Name	Qualifier	Value	Units	Analyzed	Method Prep Type
Arsenic, Total		9.90	UG/L	05/28/09	200.8
Barium, Total		111	UG/L	05/28/09	200.8
Cadmium, Total	<	2.00	UG/L	05/28/09	200.8
Chromium, Total	<	10.0	UG/L	05/28/09	200.8
Lead, Total	<	5.00	UG/L	05/28/09	200.8
Silver, Total	<	10.0	UG/L	05/28/09	200.8
Selenium, Total		21.3	UG/L	05/28/09	200.8
Mercury, Total	<	0.05	UG/L	05/07/09	245.1

**Summary**

Labs performing analysis on this Sample:

GCMS                      Metals

SOURCE: SINCLAIR REFINING CO

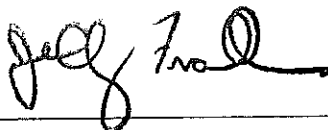
**SAMPLERS COMMENTS:**

CP-01; SAMPLE IS FROM COMPLIANCE POINT # 1

**ANALYST'S COMMENTS:**

\*

\* ANALYST



Sample Number: 462706  
 Project Code: SW-WE  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected: 1215  
 Date Received: 5/1/2009  
 Date Completed: 06/04/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 06/04/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA					
Name	Qualifier	Value	Units	Analyzed	Method Prep Type
Dilution Factor, Extractab.		1.00			
Acenaphthylene	<	10.0	UG/L	05/15/09	8270DM
Acenaphthene	<	10.0	UG/L	05/15/09	8270DM
Anthracene	<	10.0	UG/L	05/15/09	8270DM
Benzo (b) fluoranthene	<	10.0	UG/L	05/15/09	8270DM
Benzo (k) fluoranthene	<	10.0	UG/L	05/15/09	8270DM
Benzo (a) pyrene	<	10.0	UG/L	05/15/09	8270DM
Bis (2-chloroethyl) ether	<	10.0	UG/L	05/15/09	8270DM
Bis (2-chloroethoxy) methane	<	10.0	UG/L	05/15/09	8270DM
Bis (2-chloroisopropyl) ether	<	10.0	UG/L	05/15/09	8270DM
Butylbenzylphthalate	<	10.0	UG/L	05/15/09	8270DM
Chrysene	<	10.0	UG/L	05/15/09	8270DM
Diethylphthalate	<	10.0	UG/L	05/15/09	8270DM
Dimethylphthalate	<	10.0	UG/L	05/15/09	8270DM
Fluoranthene	<	10.0	UG/L	05/15/09	8270DM
Fluorene	<	10.0	UG/L	05/15/09	8270DM
Hexachlorocyclopentadiene	<	10.0	UG/L	05/15/09	8270DM
Hexachloroethane	<	10.0	UG/L	05/15/09	8270DM
Indeno (123cd) pyrene	<	10.0	UG/L	05/15/09	8270DM
Isophorone	<	10.0	UG/L	05/15/09	8270DM
Nitrosodipropylamine	<	10.0	UG/L	05/15/09	8270DM
Nitrosodiphenylamine	<	10.0	UG/L	05/15/09	8270DM
Nitrobenzene	<	10.0	UG/L	05/15/09	8270DM
p-Chloro-m-cresol	<	10.0	UG/L	05/15/09	8270DM
Phenanthrene	<	10.0	UG/L	05/15/09	8270DM
Pyrene	<	10.0	UG/L	05/15/09	8270DM
Benzo (ghi) perylene	<	10.0	UG/L	05/15/09	8270DM
Benzo (a) anthracene	<	10.0	UG/L	05/15/09	8270DM
Dibenzo (ah) anthracene	<	10.0	UG/L	05/15/09	8270DM
2-Chloronaphthalene	<	10.0	UG/L	05/15/09	8270DM
2-Chlorophenol	<	10.0	UG/L	05/15/09	8270DM

Sample Number: 462706  
 Project Code: SW-WE  
 Agency Number:  
 Date Collected: 4/30/2009  
 Time Collected: 1215  
 Date Received: 5/1/2009  
 Date Completed: 06/04/2009  
 Collected By: JK  
 PWS Id:  
 Location Code:  
 Station:  
 Facility:  
 Report Date: 06/04/2009

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**STATE ENVIRONMENTAL LABORATORY**  
 707 N. ROBINSON  
 OKLAHOMA CITY  
 OKLAHOMA, 73102-6010  
 General Inquiries: 1-800-869-1400  
 Sample Receiving: (405) 702-1113

**Report of Analysis by GCMS**

To: JON KING/LPD

CC: FILE COPY

SAMPLE DATA						
Name	Qualifier	Value	Units	Analyzed	Method	Prep Type
2-Nitrophenol	<	10.0	UG/L	05/15/09	8270DM	
Di-n-octylphthalate	<	10.0	UG/L	05/15/09	8270DM	
2,4-Dichlorophenol	<	10.0	UG/L	05/15/09	8270DM	
2,4-Dimethylphenol	<	10.0	UG/L	05/15/09	8270DM	
2,4-Dinitrotoluene	<	10.0	UG/L	05/15/09	8270DM	
2,4-Dinitrophenol	<	50.0	UG/L	05/15/09	8270DM	
2,4,6-Trichlorophenol	<	10.0	UG/L	05/15/09	8270DM	
2,6-Dinitrotoluene	<	10.0	UG/L	05/15/09	8270DM	
3,3'-Dichlorobenzidine	<	20.0	UG/L	05/15/09	8270DM	
4-Bromophenylphenyl ether	<	10.0	UG/L	05/15/09	8270DM	
4-Chlorophenylphenyl ether	<	10.0	UG/L	05/15/09	8270DM	
4-Nitrophenol	<	50.0	UG/L	05/15/09	8270DM	
4,6-Dinitro-o-cresol	<	50.0	UG/L	05/15/09	8270DM	
Phenol	<	10.0	UG/L	05/15/09	8270DM	
Naphthalene	<	10.0	UG/L	05/15/09	8270DM	
Pentachlorophenol	<	50.0	UG/L	05/15/09	8270DM	
Bis(2-ethylhexyl)phthalate	<	10.0	UG/L	05/15/09	8270DM	
Di-n-butylphthalate	<	10.0	UG/L	05/15/09	8270DM	
Hexachlorobenzene	<	10.0	UG/L	05/15/09	8270DM	
Hexachlorobutadiene	<	10.0	UG/L	05/15/09	8270DM	
Dibenzofuran	<	10.0	UG/L	05/15/09	8270DM	
2-Methylnaphthalene	<	10.0	UG/L	05/15/09	8270DM	
2-Methylphenol	<	10.0	UG/L	05/15/09	8270DM	
4-Methylphenol	<	10.0	UG/L	05/15/09	8270DM	
2,4,5-Trichlorophenol	<	50.0	UG/L	05/15/09	8270DM	
4-Chloroaniline	<	10.0	UG/L	05/15/09	8270DM	
2-Nitroaniline	<	50.0	UG/L	05/15/09	8270DM	
3-Nitroaniline	<	50.0	UG/L	05/15/09	8270DM	
4-Nitroaniline	<	50.0	UG/L	05/15/09	8270DM	

Sample Number: 462706  
Project Code: SW-WE  
Agency Number:  
Date Collected: 4/30/2009  
Time Collected: 1215  
Date Received: 5/1/2009  
Date Completed: 06/04/2009  
Collected By: JK  
PWS Id:  
Location Code:  
Station:  
Facility:  
Report Date: 06/04/2009

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE ENVIRONMENTAL LABORATORY  
707 N. ROBINSON  
OKLAHOMA CITY  
OKLAHOMA, 73102-6010  
General Inquiries: 1-800-869-1400  
Sample Receiving: (405) 702-1113  
**Report of Analysis by GCMS**

To: JON KING/LPD

CC: FILE COPY

COMPOUND	SURROGATE RECOVERIES	RECOVERY %
2,4,6-TRIBROMOPHENOL		93
2-FLUOROBIPHENYL		76
2-FLUOROPHENOL		29
NITROBENZENE-D5		66
P-TERPHENYL-D14		87
PHENOL-D5		23

COMPOUND	TENTATIVELY IDENTIFIED BY NBS LIBRARY SEARCH	VALUE	UNITS
NONE FOUND			

Summary
---------

Labs performing analysis on this Sample:

GCMS      Metals

SOURCE: SINCLAIR REFINING CO

SAMPLERS COMMENTS:

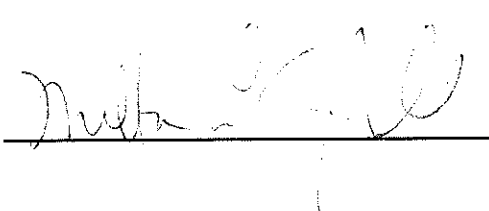
CP-01; SAMPLE IS FROM COMPLIANCE POINT # 1

ANALYST'S COMMENTS:

Analyst: TGA, Review: MLC

\*

\* ANALYST



# OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

## STATE ENVIRONMENTAL LABORATORY

707 N. Robinson; P.O. Box 1677

Oklahoma City, OK 73102-6010

405-702-1000

### CHAIN OF CUSTODY RECORD

#### General Laboratory Samples

Page 1 of 1

PROJECT ID \_\_\_\_\_

FIELD/SITE ID	COLLECTION			SAMPLE								CONTAINER PRESERVATION (Document quantity of each type)								COMMENTS	SEL ID
				TYPE			MATRIX					ICE	HNO3	H2SO4	HCL	NAOH	BAC-T	OTHER	LAB		
	DATE	TIME	COLLECTORS INITIALS	COMPOSITE	GRAB	OTHER	AQUEOUS	CHEMICAL WASTE	DRINKING WATER	Non-AQUEOUS LIQUID	SOLIDS										
CP-01	4-30-09	12:15			X		X					X								VOCs, SEMI-VOL, REA-B METALS	462203
LAB Blank	4-30-09	12:15			X		X					X								VOL,	462204
																				trip Blank	462205
																				Lab Blank	462206

Relinquished by: <i>[Signature]</i>	Received by: <i>Jonathan King</i>	Agency: <i>ODEQ</i>	Date/Time: <i>4-30-09</i>
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Agency: <i>ODEQ</i>	Date/Time: <i>12:15</i>
Dispatched by: _____	Date/Time: _____	Comments: _____	
Method of Shipment: <input type="checkbox"/> Courier (FedEx, UPS, ETC) <input type="checkbox"/> US Mail <input checked="" type="checkbox"/> Hand Delivery		Priority: <input type="checkbox"/> Overnight <input type="checkbox"/> 2-Day <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Other	
Received by: <i>Tang [Signature]</i>		Agency: <i>ODEQ</i>	Date/Time: <i>5-1-09 12:10</i>

\*Aqueous samples include surface water, ground water effluents, and TCLP/extracts. Chemical waste is a by-product of an industrial process that results in a matrix not previously defined. Non-aqueous liquid is any organic liquid with <15% settleable solids. Solids include soils, sediments, sludges and other matrices with >15% settleable solids.

c:\documents and settings\tking\local settings\temporary internet files\content.outlook\jgu8jko3\general laboratory coc.docx

10292008Rev0



**ATTACHMENT D**  
**Sinclair's Hazardous Waste Generation Table**

1/3/2008	wc-001-08		sludge	General Plant	Tank 352 (Top) Sediment	D008, K082	gct
1/7/2008	wc-002-08		water	Flare Area	Flare Tip cleaning frac tank at OIF	na	gct
1/7/2008	wc-003-08	pre-excavation	soil	General Plant	coker 1	Nonhaz	ermi
1/7/2008	wc-004-08	pre-excavation	soil	General Plant	coker 2	Nonhaz	ermi
1/7/2008	wc-005-08	pre-excavation	soil	General Plant	coker 3	Nonhaz	ermi
1/7/2008	wc-006-08	pre-excavation	soil	General Plant	coker 4	Nonhaz	ermi
1/7/2008	wc-007-08	pre-excavation	soil	General Plant	coker 5	Nonhaz	ermi
1/7/2008	wc-008-08	pre-excavation	soil	General Plant	coker 6	Nonhaz	ermi
1/7/2008	wc-009-08	pre-excavation	soil	General Plant	coker 7	Nonhaz, total hap=<50	ermi
1/7/2008	wc-010-08	pre-excavation	soil	General Plant	coker 8	Nonhaz	ermi
1/7/2008	wc-011-08	pre-excavation	soil	General Plant	coker 9	Nonhaz	ermi
1/7/2008	wc-012-08	pre-excavation	soil	General Plant	coker 10	Nonhaz	ermi
1/7/2008	wc-013-08	pre-excavation	soil	General Plant	coker 11	Nonhaz, total hap=<50	ermi
1/7/2008	wc-014-08	pre-excavation	soil	General Plant	coker 12	Nonhaz, total hap=8.38346	ermi
1/9/2008	wc-015-08	pre-excavation	soil	General Plant	coker 13	Nonhaz	ermi
1/9/2008	wc-016-08	pre-excavation	soil	General Plant	coker 14	Nonhaz	ermi
1/9/2008	wc-017-08	pre-excavation	soil	General Plant	coker 15	D008, total hap=581.6174	ermi
1/9/2008	wc-018-08	pre-excavation	soil	General Plant	coker 16	Nonhaz	ermi
1/9/2008	wc-019-08	pre-excavation	soil	General Plant	coker 17	Nonhaz	ermi
1/9/2008	wc-020-08	pre-excavation	soil	General Plant	coker 18	Nonhaz, total hap=<50	ermi
1/9/2008	wc-021-08	pre-excavation	soil	General Plant	coker 19	Nonhaz	ermi
1/9/2008	wc-022-08	pre-excavation	soil	General Plant	coker 20	Nonhaz	ermi
1/9/2008	wc-023-08	pre-excavation	soil	General Plant	coker 21	Nonhaz	ermi
1/9/2008	wc-024-08		solid	BOHO	BoHo Resin	Nonhaz	ermi
1/12/2008	wc-025-08		solid	FCU	Net Gas Compressor oil and oil dry	Nonhaz	gct
1/12/2008	wc-026-08		catalyst	CCR	Spent Reformer Catalyst (R274)	D018	gct
1/14/2008	wc-027-08	Mixed Paint	liquid	Bond	Waste Paint (Bond)	D001	gct
1/14/2008	wc-028-08	Cementitious	solid	WWTP	API Sludge	K081	gct
1/18/2008	wc-029-08	resample - additional volume need for TCLP- 2/1/08 resample	solid	CCR	CCR Lockhopper filters	Nonhaz	gct
1/30/2008	wc-030-08	pre-excavation	sludge	General Plant	G.W.S. at gas plant	F037	gct
1/25/2008	wc-032-08	pre-excavation	soil	General Plant	15-E-10	total hap=824.94	ermi
1/25/2008	wc-033-08	pre-excavation	soil	General Plant	15-E-20	total hap=867.7	ermi
1/25/2008	wc-034-08	pre-excavation	soil	General Plant	15-S-10	total hap=247.422	ermi
1/25/2008	wc-035-08	pre-excavation	soil	General Plant	15-S-20	total hap=386.606	ermi
1/25/2008	wc-036-08	pre-excavation	soil	General Plant	15-N-10	total hap=124.897	ermi
1/25/2008	wc-037-08	pre-excavation	soil	General Plant	15-N-20	total hap=46.50245	ermi
1/25/2008	wc-038-08	pre-excavation	soil	General Plant	15-W-10	total hap=73.052	ermi
1/25/2008	wc-039-08	pre-excavation	soil	General Plant	15-W-20	total hap=98.579	ermi
1/28/2008	wc-040-08		soil	Sales Terminal	Ethanol rack Excavation	deg no impact	gct
1/28/2008	wc-041-08		soil	Sales Terminal	Sales terminal dike wall and detention area North Pile	deg no impact	gct
1/28/2008	wc-042-08		soil	SW BLVD	Sales terminal dike wall and detention area South Pile	deg no impact	gct
1/28/2008	wc-043-08		soil	SW BLVD	New shower room West Pile	deg no impact	gct
1/28/2008	wc-044-08		soil	SW BLVD	New shower room East Pile	deg no impact	gct
1/28/2008	wc-045-08		soil	SW BLVD	New shower room Middle Pile	deg no impact	gct
2/7/2008	wc-047-08		solid	NHDS	NHDS heater Refractory	Nonhaz	ermi
2/7/2008	wc-048-08		sludge	W. Tank Farm	Tank 113 Sludge	D018	ermi
2/7/2008	wc-049-08		soil	SW BLVD	S.W. Blvd. Soil S-1	deg no impact	ermi
2/7/2008	wc-050-08		soil	SW BLVD	S.W. Blvd. Soil S-2	deg no impact	ermi
2/7/2008	wc-051-08		soil	SW BLVD	S.W. Blvd. Soil S-3	deg no impact	ermi
2/7/2008	wc-052-08		soil	SW BLVD	S.W. Blvd. Soil S-4	Nonhaz, total hap=<50	ermi
2/8/2008	wc-053-08		water	CDU	Desalter Cleaning, frac tank at CDU	NA	gct
2/18/2008	wc-054-08		oil	CDU	Desalter transformer oil	D018, TOX <1000 ppm, PCB <50	gct
2/19/2008	wc-055-08	Note: D018, D019, D024, D025, D040 and D043 could not be determined by analytical because of the high detection limit due to D039 concentration	liquid	CDU	Pero, Bleach, Water	D033, D034, D039	gct
2/19/2008	wc-056-08		solid	DHTU	10F-193 Desiccant	D018	gct
3/5/2008	WC-054-08 Resample	Results are similar to original sample	oil	CDU	Desalter transformer oil	D018, TOX <1000 ppm, PCB <50	ermi
3/6/2008	wc-057-08		sludge	W. Tank Farm	Tank 113 Bottoms	D018	ermi
3/10/2008	wc-058-08		soil	SW BLVD	S.W. Blvd. soil, N.&E. Storehouse 1	deg no impact	gct
3/10/2008	wc-059-08		soil	SW BLVD	S.W. Blvd. soil, N.&E. Storehouse 2	deg no impact	gct
3/10/2008	wc-060-08		soil	SW BLVD	S.W. Blvd. soil, N.&E. Storehouse 3	deg no impact	gct
3/10/2008	wc-061-08		soil	SW BLVD	S.W. Blvd. soil, N.&E. Storehouse 4	deg no impact	gct
3/10/2008	wc-062-08		soil	SW BLVD	S.W. Blvd. soil, N.&E. Storehouse 5	deg no impact	gct
3/10/2008	wc-063-08		soil	SW BLVD	S.W. Blvd. soil, N.&E. Storehouse 6	deg no impact	gct
3/10/2008	wc-064-08		soil	SW BLVD	S.W. Blvd. soil, N.&E. Storehouse 7	deg no impact	gct
3/10/2008	wc-065-08		soil	POLY	Soil S.W.C. POLY	deg no impact	gct
3/10/2008	wc-066-08		soil	ALKY	Soil Between Sewer Box 8 and 9 ALKY	Nonhaz, total hap=<50	gct
3/11/2008	wc-067-08		solid	General Plant	Old bundle wash pad concrete	Nonhaz	ermi
3/11/2008	wc-068-08		soil	General Plant	Soil along main road from lab to 4 way crossing	Nonhaz, total hap=<50	ermi
3/11/2008	wc-069-08		soil	General Plant	Soil along main road from 4 way crossing to CDU	Nonhaz, total hap=<50	ermi
3/11/2008	wc-070-08		soil	General Plant	soil along main road from CDU to SCANFINER	Nonhaz, total hap=0.971	ermi
3/19/2008	wc-071-08		water	COKER	Water from North Coker area	total hap=<0.05	gct
3/19/2008	wc-072-08		water	COKER	Water from South Coker area	SVOC impact, total hap=0.01	gct
3/19/2008	wc-073-08		soil	COKER	Soil From New Sewer line at Coker	Nonhaz, total hap=41.41	gct
3/19/2008	wc-074-08		soil	New CDU	Soil From New CDU Site N.W.	Nonhaz, total hap=2.1	gct
3/19/2008	wc-075-08		soil	New CDU	Soil From New CDU Site N.E.	Nonhaz, total hap=1.1	gct
3/19/2008	wc-076-08		soil	New CDU	Soil From New CDU Site E.	Nonhaz, total hap=<6.25	gct
3/19/2008	wc-077-08		soil	New CDU	Soil From New CDU Site S.E.	Nonhaz, total hap=<6.25	gct
3/19/2008	wc-078-08		soil	New CDU	Soil From New CDU Site S.W.	Nonhaz, total hap=<6.25	gct
3/19/2008	wc-079-08		soil	New CDU	Soil From New CDU Site W.	deg no impact	gct
3/20/2008	wc-080-08		solid	W. Tank Farm	Tank 120 Scale	Nonhaz	gct
3/22/2008	wc-081-08		Sludge	HA-11 Sludge		D018	gct
3/26/2008	wc-082-08		soil	SW BLVD	S.W. Blvd. S. Lot Exc. 1	deg no impact	ermi
3/26/2008	wc-083-08		soil	SW BLVD	S.W. Blvd. S. Lot Exc. 2	Nonhaz, total hap=<50	ermi
3/26/2008	wc-084-08		soil	SW BLVD	S.W. Blvd. S. Lot Exc. 3	deg no impact	ermi
3/26/2008	wc-085-08		soil	SW BLVD	S.W. Blvd. S. Lot Exc. 4	Nonhaz, total hap=<50	ermi
3/26/2008	wc-086-08		soil	SW BLVD	S.W. Blvd. S. Lot Exc. 5	deg no impact	ermi
3/26/2008	wc-087-08		soil	CT#7	Dir/Clay from CT#7 Construction	Nonhaz	ermi

3/26/2008	wc-088-08		soil	COKER	Coker 15-E-1020	Nonhaz, total hap=16.4294	ermi
3/26/2008	wc-089-08	Pre-sample heater prior to demo	Solid	FCCU	Scale and Refrac. From FCCU Reboiler Htr.	Nonhaz	gct
3/26/2008	wc-090-08	Pre-sample heater prior to demo	Solid	POLY	Scale and Refrac. From Poly Htr.	Nonhaz	gct
3/26/2008	wc-091-08	Pre-sample heater prior to demo	Solid	Penex	Scale and Refrac. From Htr. N.E.C. Penex	Nonhaz	gct
3/26/2008	wc-092-08	Pre-sample heater prior to demo	Solid	Penex	Scale and Refrac. From ISOM Htr.	Nonhaz	gct
3/26/2008	wc-093-08	From water line leak	soil	E. Tank Farm	Soil From S.E.C. Tank 465	Nonhaz, total hap=<6.26	gct
3/31/2008	wc-094-08	From cleanout of Water softener #2	Solid	BOHO	Spent Anthracite Coal	Nonhaz	gct
4/2/2008	wc-095-08		water	Black Tanks	Black Tanks piping rinse water	NA	gct
4/3/2008	wc-096-08		water	Black Tanks	Tank 351 (Top) rinse water	NA	gct
4/3/2008	wc-097-08		water	Black Tanks	Tank 352 (Top) rinse water	NA	gct
4/3/2008	wc-098-08		water	COKER	Tank 350 wash water	NA	gct
4/3/2008	wc-099-08		water	COKER	Tank 348 wash water	NA	gct
4/4/2008	wc-100-08		sludge	W. Tank Farm	Tank 106 Bottoms	Nonhaz	ermi
4/4/2008	wc-101-08		sludge	W. Tank Farm	Tank 120 Bottoms	Nonhaz	ermi
4/7/2008	wc-102-08		Soil	General Plant	Soil along main road from scanfiner to Penex	Nonhaz, total hap=<50	ermi
4/10/2008	wc-103-08		water	Black Tanks	Tank 368 Wash Water	NA	gct
4/10/2008	wc-104-08		water	Black Tanks	Tank 349 (Top) Wash Water	NA	gct
4/11/2008	wc-105-08		water	COKER	Coker Site Storm Water North	total hap=<0.05	gct
4/11/2008	wc-106-08		water	COKER	Coker Site Storm Water South	total hap=<0.05	gct
4/11/2008	wc-107-07	pre-excitation	Soil	Hydrocracker	S-1 future Hydrocracker site soil	Nonhaz, total hap=<50	ermi
4/11/2008	wc-108-08	pre-excitation	Soil	Hydrocracker	S-2 future Hydrocracker site soil	Nonhaz, total hap=<50	ermi
4/11/2008	wc-109-08	pre-excitation	Soil	Hydrocracker	S-3 future Hydrocracker site soil	Nonhaz, total hap=0.00907	ermi
4/11/2008	wc-110-08	pre-excitation	Soil	Hydrocracker	S-4 future Hydrocracker site soil	Nonhaz, total hap=0.13509	ermi
4/13/2008	wc-111-08	pre-excitation	Soil	Hydrocracker	S-9 future Hydrocracker site soil	Nonhaz, total hap=<50	ermi
4/13/2008	wc-112-08	pre-excitation	Soil	Hydrocracker	S-10 future Hydrocracker site soil	deg no impact	ermi
4/13/2008	wc-113-08	pre-excitation	Soil	Hydrocracker	S-11 future Hydrocracker site soil	Nonhaz, total hap=0.00379	ermi
4/13/2008	wc-114-08	pre-excitation	Soil	Hydrocracker	S-12 future Hydrocracker site soil	Nonhaz, total hap=<50	ermi
4/13/2008	wc-115-08	pre-excitation	Soil	Hydrocracker	S-13 future Hydrocracker site soil	Nonhaz, total hap=0.0121	ermi
4/13/2008	wc-116-08	pre-excitation	Soil	Hydrocracker	S-14 future Hydrocracker site soil	Nonhaz, total hap=0.00662	ermi
4/13/2008	wc-117-08	pre-excitation	Soil	Hydrocracker	S-15 future Hydrocracker site soil	Nonhaz, total hap=<50	ermi
4/13/2008	wc-118-08	pre-excitation	Soil	Hydrocracker	S-16 future Hydrocracker site soil	deg no impact	ermi
4/13/2008	wc-119-08	pre-excitation	Soil	Hydrocracker	S-17 future Hydrocracker site soil	Nonhaz, total hap=<50	ermi
4/13/2008	wc-120-08	pre-excitation	Soil	Hydrocracker	S-18 future Hydrocracker site soil	deg no impact	ermi
4/13/2008	wc-121-08	pre-excitation	Soil	Hydrocracker	S-19 future Hydrocracker site soil	Nonhaz, total hap=<50	ermi
4/13/2008	wc-122-08	pre-excitation	Soil	Hydrocracker	S-20 future Hydrocracker site soil	deg no impact	ermi
4/14/2008	wc-123-08	pre-excitation	Soil	Hydrocracker	S-29 future Hydrocracker site soil	Nonhaz, total hap=1.87085	ermi
4/14/2008	wc-124-08	pre-excitation	Soil	Hydrocracker	S-30 future Hydrocracker site soil	Nonhaz, total hap=1.87	ermi
4/14/2008	wc-125-08	pre-excitation	Soil	Hydrocracker	S-31 future Hydrocracker site soil	Nonhaz, total hap=1.96321	ermi
4/14/2008	wc-126-08	pre-excitation	Soil	Hydrocracker	S-32 future Hydrocracker site soil	Nonhaz, total hap=27.52314	ermi
4/15/2008	wc-127-08		Solid	Unitair	Spent Unitair Catalyst	4/15/2008	gct
4/15/2008	wc-128-08		Soil	Hydrocracker	S-5 future Hydrocracker site soil	Nonhaz, total hap=<0.33	gct
4/15/2008	wc-129-08		Soil	Hydrocracker	S-6 future Hydrocracker site soil	Nonhaz, total hap=1.0	gct
4/15/2008	wc-130-08		Soil	Hydrocracker	S-7 future Hydrocracker site soil	Nonhaz, total hap=<0.33	gct
4/15/2008	wc-131-08		Soil	Hydrocracker	S-8 future Hydrocracker site soil	Nonhaz, total hap=<0.33	gct
4/15/2008	wc-132-08		Soil	Hydrocracker	S-21 future Hydrocracker site soil	deg no impact	gct
4/15/2008	wc-133-08		Soil	Hydrocracker	S-22 future Hydrocracker site soil	deg no impact	gct
4/15/2008	wc-134-08		Soil	Hydrocracker	S-23 future Hydrocracker site soil	deg no impact	gct
4/15/2008	wc-135-08		Soil	Hydrocracker	S-24 future Hydrocracker site soil	deg no impact	gct
4/15/2008	wc-136-08		Soil	Hydrocracker	S-25 future Hydrocracker site soil	deg no impact	gct
4/15/2008	wc-137-08		Soil	Hydrocracker	S-26 future Hydrocracker site soil	deg no impact	gct
4/15/2008	wc-138-08		Soil	Hydrocracker	S-27 future Hydrocracker site soil	deg no impact	gct
4/15/2008	wc-139-08		Soil	Hydrocracker	S-28 future Hydrocracker site soil	deg no impact	gct
4/16/2008	wc-140-08		water	Black Tanks	Tank 349 (Bottom) Wash Water	NA	gct
4/17/2008	wc-141-08		soil	CDU	Soil Exc. N.E.C. CDU Control Room	Nonhaz, total hap=<0.75	gct
4/17/2008	wc-142-08		solid	FCCU	B-3 Heater Scale and Refractory	Nonhaz	gct
4/18/2008	wc-143-08		solid	CCR	Carbon from Carbon Canister on CCR	4/18/2008	gct
4/25/2008	wc-144-08		Soil	CRU	Soil W. Side of CRU	deg no impact	gct
4/25/2008	wc-145-08		Soil	SW BLVD	Soil S. of S.W. Blvd. Trailer	deg no impact	gct
4/25/2008	wc-146-08		Soil	FCCU	Soil from decant oil line leak W. of FCCU	Nonhaz, total hap=88.302	gct
4/30/2008	wc-147-08	1 dm	Solid	Trucking	Absorbents and diesel Fuel	Nonhaz	ermi
4/30/2008	wc-148-08	1 dm	Solid	FCCU	Oil Catalyst, Coke, Slurry from the FCCU	Nonhaz	ermi
5/6/2008	wc-149-08	2 drms	solid	Flare Area	Spent carbon canister carbon from the flare area	Nonhaz	gct
5/6/2008	wc-150-08	1 dm	solid	General Plant	Oil dry, dirt, debris, and fire fighting foam agent	Nonhaz	gct
5/6/2008	wc-151-08	1 dm	solid		Unit sweepings	Nonhaz	gct
5/7/2008	wc-152-08	8 yd rolloff	solid	DHTU	HTU change filters and amine filters	Nonhaz	gct
5/16/2008	wc-153-08		sludge		SR-17 tank bottoms	Nonhaz	ermi
5/17/2008	wc-154-08	1 dm	solid		Used oil and oil dry	Nonhaz	gct
5/12/2008	wc-155-08	2 drms	solid		Oil mud, water, debris	Nonhaz	ermi
5/16/2008	wc-156-08	~7 drms	solid	E. Property	Drums at east Property	Nonhaz	ermi
5/16/2008	wc-157-08	1 pile	solid	E. Property	Soil from east property	Nonhaz	ermi
5/19/2008	wc-158-08		soil	E. Property	Base of Hole at 3', river property	Nonhaz, total hap=0.0122	gct
5/19/2008	wc-159-08		soil	E. Property	S.W. wall of hole, river property	Nonhaz, total hap=0.0079	gct
5/19/2008	wc-160-08		soil	E. Property	S.E. Wall of hole, river property	Nonhaz, total hap=0.0106	gct
5/19/2008	wc-161-08		soil	E. Property	N.W. wall of hole, river property	Nonhaz, total hap=0.0089	gct
5/19/2008	wc-162-08	Need SVOC TCLP prior to disposal	soil	E. Property	Soil from river property, sample	Nonhaz, total hap=60.5	gct
5/22/2008	wc-163-08	Pre excavation	soil	COKER	Coker Pit 1	Nonhaz, total hap=462.67	gct
5/22/2008	wc-164-08	Pre excavation	soil	COKER	Coker Pit 2	Nonhaz, total hap=33.62	gct
5/22/2008	wc-165-08	Pre excavation	soil	COKER	Coker Pit 3	Nonhaz, total hap=37.675	gct
5/22/2008	wc-166-08	Pre excavation	soil	COKER	Coker Pit 4	Nonhaz, total hap=10.331	gct
5/22/2008	wc-167-08	Pre excavation	soil	COKER	Coker Pit 5	Nonhaz, total hap=20.36	gct
5/22/2008	wc-168-08	Pre excavation	soil	COKER	Coker Pit 6	Nonhaz, total hap=7.699	gct

5/22/2008	wc-169-08	Pre excavation	soil	COKER	Coker Pit 8	Nonhaz, total hap=8.689	gct
5/22/2008	wc-170-08	Pre excavation	soil	COKER	Coker Pit 9	Nonhaz, total hap=125.532	gct
5/22/2008	wc-171-08	Pre excavation	soil	COKER	Coker Pit 10	Nonhaz, total hap=192.227	gct
5/22/2008	wc-172-08	Pre excavation	soil	COKER	Coker Pit 11	Nonhaz, total hap=10.492	gct
5/22/2008	wc-173-08	Pre excavation	soil	COKER	Coker Pit 12	Nonhaz, total hap=1.503	gct
5/22/2008	wc-174-08	Pre excavation	soil	COKER	Coker Pit 13	Nonhaz, total hap=36.224	gct
5/22/2008	wc-175-08	Pre excavation	soil	COKER	Coker Pit 14	Nonhaz, total hap=7.619	gct
5/22/2008	wc-176-08	Pre excavation	soil	COKER	Coker Pit 15	Nonhaz, total hap=5.264	gct
5/22/2008	wc-177-08	Pre excavation	soil	COKER	Coker Pit 16	Nonhaz, total hap=0.986	gct
5/22/2008	wc-178-08	Pre excavation	soil	COKER	Coker Pit 17	Nonhaz, total hap=123.017	gct
5/22/2008	wc-179-08	Pre excavation	soil	COKER	Coker Pit 18	Nonhaz, total hap=37.104	gct
5/22/2008	wc-180-08	Pre excavation	soil	COKER	Coker Pit 19	Nonhaz, total hap=77.58	gct
5/22/2008	wc-181-08	Pre excavation	soil	COKER	Coker Pit 20	Nonhaz, total hap=99.03	gct
5/29/2008	wc-182-08	1 pile	soil	SW BLVD	Soil N. of contractor trailer, center lot.	deg no impact	gct
6/2/2008	wc-157-08 Resample	1 pile	soil	E. Property	Soil from east property	total hap =0.00449	ermi
6/12/2008	wc-186-08	1 transformer	oil	General Plant	Oil from Transformer #311	TOX <1000 ppm, PCB <10	ermi
6/12/2008	wc-184-08	2 piles	soil	POLY	Soil S. Side Poly Unit	Nonhaz, total hap=<50	ermi
6/13/2008	wc-187-08	1 pile	soil	ALKY	Soil N. of Alky, Battery Limite	Nonhaz, total hap=0.02855	ermi
6/12/2008	wc-185-08	3 dms	sludge	ALKY	Alky Acid Pit Sludge	Nonhaz	ermi
6/12/2008	wc-188-08	1 dm	sludge	W. Tank Farm	Tank 59 Sludge	Nonhaz	ermi
6/17/2008	wc-189-08	Pre Cleanout	Solid	W. Tank Farm	Tank 127 Bottoms	Nonhaz	ermi
6/5/2008	wc-183-08	1 pile	soil	ALKY	Soil E. of alky along road	Nonhaz	gct
6/17/2008	wc-190-08	1 pile	soil	POLY	Soil N.W.C. Poly	Nonhaz, total hap=0.38	gct
6/17/2008	wc-191-08	1 pile	soil	BoHo	Soil S. of TK-134	deg no impact	gct
6/20/2008	wc-194-08	1 pile	soil	BOHO	Soil S.E.C. BoHo	Nonhaz, total hap=<0.33	gct
6/20/2008	wc-192-08	1 flowbin	water	General Plant	Rinse water from black tanks piping, (DB5388)	D002, D024, D025	gct
6/20/2008	wc-193-08	1 flowbin	water	General Plant	Rinse water from black tanks, (CFVP2369L)	Nonhaz	gct
6/28/2008	wc-195-08	1 dm	Liquid	ALKY	Clear Liquid chemical from alky sewer project	plans to use MSDS - sample run as solid not liquid-reacted to acid/results may not be representative	gct
6/28/2008	wc-196-08	1 dm	Liquid	Bond	Spent Paint Thinner (Bond Painting)	D011, D038	gct
6/28/2008	wc-187-08	1 pile	soil	GDU	Soil from line leak W. of GDU Control Room	D015, total hap = 1395.24	gct
6/26/2008	wc-198-08	1 transformer	oil		TX-038 transformer oil	TOX <1000 ppm, PCB=33 ppm	gct
6/26/2008	wc-199-08	1 transformer	oil		7244-5941682 transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
6/26/2008	wc-200-08	1 transformer	oil		TX-198 transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
6/26/2008	wc-201-08	1 transformer	oil		TX-077 transformer oil	TOX <1000 ppm, PCB=36 ppm	gct
6/26/2008	wc-202-08	1 transformer	oil		TX-075 transformer oil	TOX <1000 ppm, PCB=34 ppm	gct
6/26/2008	wc-203-08	1 transformer	oil		TX-044 transformer oil	TOX <1000 ppm, PCB=16 ppm	gct
6/26/2008	wc-204-08	1 transformer	oil		TX-150 transformer oil	TOX <1000 ppm, PCB=22 ppm	gct
6/26/2008	wc-205-08	1 transformer	oil		TX-197 transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
6/26/2008	wc-206-08	1 transformer	oil		TX-062 transformer oil	TOX <1000 ppm, PCB=25 ppm	gct
6/26/2008	wc-207-08	1 transformer	oil		TX-067 transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
6/26/2008	wc-208-08	1 transformer	oil		TX-041 transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
6/26/2008	wc-209-08	1 transformer	oil		TX-087 transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
6/26/2008	wc-210-08	1 transformer	oil		TOS-1 transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
6/27/2008	wc-211-08	1 transformer	oil		TX-050 transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
6/27/2008	wc-212-08	1 transformer	oil		TX-118 transformer oil	TOX <1000 ppm, PCB<2 ppm, D018	gct
6/27/2008	wc-213-08	1 transformer	oil		TX-206 transformer oil	TOX <1000 ppm, PCB<2 ppm, D018	gct
6/27/2008	wc-214-08	1 transformer	oil		TX-223 transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
7/3/2008	wc-216-08	1 df	soil	?		Nonhaz, total hap = 42.33393	ermi
7/18/2008	wc-217-08		solid	Representative	Mercury contaminated soil from E. end of Linde Area		ermi
7/22/2008	wc-218-08		sludge	W.W.T.P.	final pond cake	Nonhaz	ermi
7/23/2008	wc-219-08	Preliminary Borings	Soil		Sludge from ATT manhole 330	Nonhaz	ermi
7/23/2008	wc-220-08	Preliminary Borings	Soil		1036.2 Linde area soil LA-1	pending tclp B	ermi
7/23/2008	wc-221-08	Preliminary Borings	Soil		886.74 Linde area soil LA-2	pending tclp B	ermi
7/23/2008	wc-222-08	Preliminary Borings	Soil	Linde	Linde area soil LA-3	Nonhaz, total hap=371.44	ermi
7/23/2008	wc-223-08	Preliminary Borings	Soil	Linde	Linde area soil LA-4	Nonhaz, total hap=480.37	ermi
7/23/2008	wc-224-08	Preliminary Borings	Soil	Linde	Linde area soil LA-5	Nonhaz, total hap=175.328	ermi
7/23/2008	wc-224-08	Preliminary Borings	Soil	Linde	Linde area soil LA-6	Nonhaz, total hap=0.132	ermi

7/24/2008	wc-226-08	Preliminary Borings	Soil	742.31	Linde area soil LA-8	pending tc/p B	ermi
7/24/2008	wc-227-08	Preliminary Borings	Soil	708.68	Linde area soil LA-9	pending tc/p B	ermi
7/24/2008	wc-228-08	Preliminary Borings	Soil	482.46	Linde area soil LA-10	pending tc/p B	ermi
7/24/2008	wc-229-08	Preliminary Borings	Soil	759.38	Linde area soil LA-11	pending tc/p B	ermi
7/24/2008	wc-230-08	Preliminary Borings	Soil	Linde	Linde area soil LA-12	Nonhaz, total hap=163.431	ermi
7/24/2008	wc-231-08	Preliminary Borings	Soil	494.8	Linde area soil LA-109	pending tc/p B	ermi
7/24/2008	wc-232-08	Preliminary Borings	Soil	Linde	Linde area soil LA-15	Nonhaz, total hap=491.38	ermi
7/24/2008	wc-233-08	Preliminary Borings	Soil	Linde	Linde area soil LA-14	Nonhaz, total hap=101.594	ermi
7/24/2008	wc-234-08	Preliminary Borings	Soil	685.58	Linde area soil LA-13	pending tc/p B	ermi
7/24/2008	wc-235-08	Preliminary Borings	Soil	1209.02	Linde area soil LA-16	pending tc/p B, D008, total hap=1209.02	ermi
7/24/2008	wc-236-08	Preliminary Borings	Soil	Linde	Linde area soil LA-17	D008, total hap=17.595	ermi
7/24/2008	wc-237-08	Preliminary Borings	Soil	Linde	Linde area soil LA-16	Nonhaz, total hap=42.172	ermi
7/28/2008	wc-238-08		soil	W. Tank Farm	Tank 13 Centrifuged Solids	D018	gct
8/4/2008	wc-239-08		Soil		Soil from triangle Property 1, May contain Friable Asbestos	Nonhaz, total hap=1.7	gct
8/4/2008	wc-240-08		Soil		Soil from triangle Property 2, May contain Friable Asbestos	Nonhaz, total hap=3.1263	gct
8/4/2008	wc-241-08		Soil		Soil from triangle Property 3, May contain Friable Asbestos	Nonhaz, total hap=4.7891	gct
8/4/2008	wc-242-08		Soil		Soil from triangle Property 4, May contain Friable Asbestos	Nonhaz, total hap=1.2725	gct
8/4/2008	wc-243-08		Soil		Soil from triangle Property 5, May contain Friable Asbestos	Nonhaz, total hap=37.3	gct
8/4/2008	wc-244-08		Soil		Soil from triangle Property 6, May contain Friable Asbestos	Nonhaz, total hap=5.81	gct
8/4/2008	wc-245-08		Soil		Soil from triangle Property 7, May contain Friable Asbestos	Nonhaz, total hap=23.6	gct
8/4/2008	wc-246-08		Soil		Soil from triangle Property 8, May contain Friable Asbestos	Nonhaz, total hap=12.515	gct
8/4/2008	wc-247-08		Soil		Soil from triangle Property 9, May contain Friable Asbestos	Nonhaz, total hap=0.81	gct
8/4/2008	wc-248-08		Soil		Soil from triangle Property 10, May contain Friable Asbestos	Nonhaz, total hap=18.012	gct
8/6/2008	wc-249-08	Preliminary Borings	Soil	Linde	Linde area soil LA-19	D008, total hap=48.6464	gct
8/6/2008	wc-250-08	Preliminary Borings	Soil	Linde	Linde area soil LA-20	D008, total hap=12.1604	gct
8/6/2008	wc-251-08	Preliminary Borings	Soil	Linde	Linde area soil LA-21	D008, total hap=23.289	gct
8/6/2008	wc-252-08	Preliminary Borings	Soil	Linde	Linde area soil LA-22	Nonhaz, total hap=26.7214	gct
8/6/2008	wc-253-08	Preliminary Borings	Soil	Linde	Linde area soil LA-23	Nonhaz, total hap=1305.9685	gct
8/6/2008	wc-254-08	Preliminary Borings	Soil	Linde	Linde area soil LA-24	D008, total hap=1542.86	gct
8/6/2008	wc-255-08	Preliminary Borings	Soil	Linde	Linde area soil LA-25	Nonhaz, total hap=27.5094	gct
8/6/2008	wc-256-08	Preliminary Borings	Soil	Linde	Linde area soil LA-26	Nonhaz, total hap=10.1489	gct
8/6/2008	wc-257-08	Preliminary Borings	Soil	Linde	Linde area soil LA-27	Nonhaz, total hap=3.1641	gct
8/6/2008	wc-258-08	Preliminary Borings	Soil	Linde	Linde area soil LA-30	Nonhaz, total hap=1.97	gct
8/6/2008	wc-259-08	Preliminary Borings	Soil	Linde	Linde area soil LA-31	Nonhaz, total hap=6.82	gct
8/6/2008	wc-260-08	Preliminary Borings	Soil	Linde	Linde area soil LA-32	Nonhaz, total hap=630.44	gct
8/6/2008	wc-261-08	Preliminary Borings	Soil	Linde	Linde area soil LA-33	Nonhaz, total hap=2.2376	gct
8/8/2008	wc-262-08	Pre-Sample	Soil	W. Tank Farm	Tank 19 Bottoms	D018	gct
8/7/2008	wc-263-08	Preliminary Borings	Soil	Linde	Linde area soil LA-34	Nonhaz, total hap=<5	ermi
8/7/2008	wc-264-08	Preliminary Borings	Soil	Linde	Linde area soil LA-35	Nonhaz, total hap=0.888	ermi
8/7/2008	wc-265-08	Preliminary Borings	Soil	Linde	Linde area soil LA-39	D008, total hap=4.92	ermi
8/7/2008	wc-266-08	Preliminary Borings	Soil	Linde	Linde area soil LA-40	D008, total hap=0.128	ermi
8/7/2008	wc-267-08	Preliminary Borings	Soil	Linde	Linde area soil LA-41	Nonhaz, total hap=<4.94	ermi
8/7/2008	wc-268-08	Preliminary Borings	Soil	Linde	Linde area soil LA-42	Nonhaz, total hap=83.23	ermi
8/7/2008	wc-269-08	Preliminary Borings	Soil	Linde	Linde area soil LA-43	Nonhaz, total hap=7.094	ermi
8/7/2008	wc-270-08	Preliminary Borings	Soil	Linde	Linde area soil LA-44	Nonhaz, total hap=2.9	ermi
8/7/2008	wc-271-08	Preliminary Borings	Soil	Linde	Linde area soil LA-49	Nonhaz, total hap=32.169	ermi
8/7/2008	wc-272-08	Preliminary Borings	Soil	Linde	Linde area soil LA-50	Nonhaz, total hap=6.232	ermi
8/7/2008	wc-273-08	Preliminary Borings	Soil	Linde	Linde area soil LA-51	Nonhaz, total hap=169.76	ermi
8/7/2008	wc-274-08	Preliminary Borings	Soil	Linde	Linde area soil LA-52	Nonhaz, total hap=15.196	ermi
8/7/2008	wc-275-08	Preliminary Borings	Soil	Linde	Linde area soil LA-53	Nonhaz, total hap=4.061	ermi
8/7/2008	wc-276-08	Preliminary Borings	Soil	Linde	Linde area soil LA-54	Nonhaz, total hap=3.891	ermi
8/8/2008	wc-277-08	Preliminary Borings	Soil	Linde	Linde area soil LA-59	Nonhaz, total hap=0.2688	gct

8/8/2008	wc-278-08	Preliminary Borings	Soil	Linde	Linde area soil LA-60	Nonhaz, total hap=0.3261	gct
8/8/2008	wc-279-08	Preliminary Borings	Soil	Linde	Linde area soil LA-61	Nonhaz, total hap=0.0844	gct
8/11/2008	wc-280-08	Preliminary Borings	Soil	Linde	Linde area soil LA-62 (original sample jar broke-resampled)	Nonhaz, total hap=<3.12	gct
8/8/2008	wc-281-08	Preliminary Borings	Soil	Linde	Linde area soil LA-63	Nonhaz, total hap=0.8297	gct
8/8/2008	wc-282-08	Preliminary Borings	Soil	Linde	Linde area soil LA-64	Nonhaz, total hap=0.124	gct
8/8/2008	wc-283-08	Preliminary Borings	Soil	Linde	Linde area soil LA-73	Nonhaz, total hap=425.3384	gct
8/8/2008	wc-284-08	Preliminary Borings	Soil	Linde	Linde area soil LA-74	Nonhaz, total hap=0.5751	gct
8/8/2008	wc-285-08	Preliminary Borings	Soil	Linde	Linde area soil LA-90	Nonhaz, total hap=0.332	gct
8/8/2008	wc-286-08	Preliminary Borings	Soil	Linde	Linde area soil LA-93	Nonhaz, total hap=6.42	gct
8/8/2008	wc-287-08	Preliminary Borings	Soil	Linde	Linde area soil LA-94	Nonhaz, total hap=0.34	gct
8/8/2008	wc-288-08	Preliminary Borings	Soil	Linde	Linde area soil LA-95	Nonhaz, total hap=0.312	gct
8/8/2008	wc-289-08	Preliminary Borings	Soil	Linde	Linde area soil LA-28	Nonhaz, total hap=12.593	ermi
8/8/2008	wc-290-08	Preliminary Borings	Soil	Linde	Linde area soil LA-29	Nonhaz, total hap=<5	ermi
8/8/2008	wc-291-08	Preliminary Borings	Soil	Linde	Linde area soil LA-75	Nonhaz, total hap=4.375	ermi
8/8/2008	wc-292-08	Preliminary Borings	Soil	Linde	Linde area soil LA-76	Nonhaz, total hap=15.918	ermi
8/8/2008	wc-293-08	Preliminary Borings	Soil	Linde	Linde area soil LA-77	Nonhaz, total hap=4.013	ermi
8/8/2008	wc-294-08	Preliminary Borings	Soil	Linde	Linde area soil LA-78	Nonhaz, total hap=8.057	ermi
8/8/2008	wc-295-08	Preliminary Borings	Soil	Linde	Linde area soil LA-81	Nonhaz, total hap=3.65	ermi
8/8/2008	wc-296-08	Preliminary Borings	Soil	Linde	Linde area soil LA-82	Nonhaz, total hap=<5	ermi
8/8/2008	wc-297-08	Preliminary Borings	Soil	Linde	Linde area soil LA-83	Nonhaz, total hap=5.776	ermi
8/8/2008	wc-298-08	Preliminary Borings	Soil	Linde	Linde area soil LA-84	Nonhaz, total hap=9.959	ermi
8/8/2008	wc-299-08	Preliminary Borings	Soil	Linde	Linde area soil LA-85	Nonhaz, total hap=<5	ermi
8/8/2008	wc-300-08	Preliminary Borings	Soil	Linde	Linde area soil LA-86	Nonhaz, total hap=<5	ermi
8/8/2008	wc-301-08	Preliminary Borings	Soil	Linde	Linde area soil LA-91	Nonhaz, total hap=<4.99	ermi
8/8/2008	wc-302-08	Preliminary Borings	Soil	Linde	Linde area soil LA-92	Nonhaz, total hap=5.71	ermi
8/8/2008	wc-303-08	Preliminary Borings	Soil	Linde	Linde area soil LA-98	Nonhaz, total hap=18.838	ermi
8/8/2008	wc-304-08	Preliminary Borings	Soil	Linde	Linde area soil LA-99	Nonhaz, total hap=2.234	ermi
8/8/2008	wc-305-08	Preliminary Borings	Soil	Linde	Linde area soil LA-100	Nonhaz, total hap=<4.95	ermi
8/8/2008	wc-306-08	Preliminary Borings	Soil	Linde	Linde area soil LA-102	Nonhaz, total hap=8.364	ermi
8/8/2008	wc-307-08	Preliminary Borings	Soil	Linde	Linde area soil LA-103	Nonhaz, total hap=28.35	ermi
8/8/2008	wc-308-08	Preliminary Borings	Soil	Linde	Linde area soil LA-104	Nonhaz, total hap=13.955	ermi
8/13/2008	wc-309-08	Pre-cleanout	sludge	W. Tank Farm	Tank 110 Bottoms	Nonhaz	gct
8/18/2008	wc-310-08	Pre-cleanout	sludge	W.W.T.P.	L-shaped pond sludge	Nonhaz	ermi
8/19/2008	wc-311-08		sludge	E. Tank Farm	Tank 460 Sludge	Nonhaz	ermi
8/19/2008	wc-312-08		sludge	W. Tank Farm	Tank 127 dike area piping sludge	Nonhaz	ermi
8/20/2008	wc-313-08		Soil	COKER	soil from new storm sewer line excavation S.E.C. coker site. May contain Friable Asbestos.	Nonhaz, total hap=26.81	gct
8/21/2008	wc-314-08		Solid	W. Tank Farm	Asphalt (Flux) and Sand	Nonhaz	ermi
8/22/2008	wc-315-08		Solid	W. Tank Farm	Spent carbon Filter, Tank 13	Nonhaz	
8/25/2008	wc-316-08	Preliminary Borings	Soil	Linde	Linde area soil LA-121	Nonhaz, total hap=<50	ermi
8/25/2008	wc-317-08	Preliminary Borings	Soil	Linde	Linde area soil LA-122	Nonhaz, total hap=<50	ermi
8/25/2008	wc-318-08	Preliminary Borings	Soil	Linde	Linde area soil LA-139	Nonhaz, total hap=<50	ermi
8/25/2008	wc-319-08	Preliminary Borings	Soil	Linde	Linde area soil LA-155	Nonhaz, total hap=<50	ermi
8/25/2008	wc-320-08	Preliminary Borings	Soil	Linde	Linde area soil LA-123	Nonhaz, total hap=<50	ermi
8/25/2008	wc-321-08	Preliminary Borings	Soil	Linde	Linde area soil LA-140	Nonhaz, total hap=<50	ermi
8/25/2008	wc-322-08	Preliminary Borings	Soil	Linde	Linde area soil LA-138	Nonhaz, total hap=<50	ermi
8/25/2008	wc-323-08	Preliminary Borings	Soil	Linde	Linde area soil LA-124	Nonhaz, total hap=<50	ermi
8/25/2008	wc-324-08	Preliminary Borings	Soil	Linde	Linde area soil LA-154	Nonhaz, total hap=<50	ermi
8/25/2008	wc-325-08	Preliminary Borings	Soil	Linde	Linde area soil LA-120	Nonhaz, total hap=<50	ermi
8/25/2008	wc-326-08	Preliminary Borings	Soil	Linde	Linde area soil LA-119	Nonhaz, total hap=<50	ermi
8/25/2008	wc-327-08	Preliminary Borings	Soil	Linde	Linde area soil LA-156	Nonhaz, total hap=<50	ermi
9/5/2008	wc-328-08	Preliminary Borings	Soil	Linde	Linde area soil LA-162	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-329-08	Preliminary Borings	Soil	Linde	Linde area soil LA-171	Nonhaz, total hap=<6.25	gct

9/5/2008	wc-330-08	Preliminary Borings	Soil	Linde	Linde area soil LA-167	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-331-08	Preliminary Borings	Soil	Linde	Linde area soil LA-164	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-332-08	Preliminary Borings	Soil	Linde	Linde area soil LA-131	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-333-08	Preliminary Borings	Soil	Linde	Linde area soil LA-170	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-334-08	Preliminary Borings	Soil	Linde	Linde area soil LA-163	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-335-08	Preliminary Borings	Soil	Linde	Linde area soil LA-148	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-336-08	Preliminary Borings	Soil	Linde	Linde area soil LA-147	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-337-08	Preliminary Borings	Soil	Linde	Linde area soil LA-114	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-338-08	Preliminary Borings	Soil	Linde	Linde area soil LA-94	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-339-08	Preliminary Borings	Soil	Linde	Linde area soil LA-149	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-340-08	Preliminary Borings	Soil	Linde	Linde area soil LA-132	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-341-08	Preliminary Borings	Soil	Linde	Linde area soil LA-113	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-342-08	Preliminary Borings	Soil	Linde	Linde area soil LA-93	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-343-08	Preliminary Borings	Soil	Linde	Linde area soil LA-146	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-344-08	Preliminary Borings	Soil	Linde	Linde area soil LA-129	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-345-08	Preliminary Borings	Soil	Linde	Linde area soil LA-130	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-346-08	Preliminary Borings	Soil	Linde	Linde area soil LA-115	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-347-08	Preliminary Borings	Soil	Linde	Linde area soil LA-127	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-348-08	Preliminary Borings	Soil	Linde	Linde area soil LA-133	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-349-08	Preliminary Borings	Soil	Linde	Linde area soil LA-128	Nonhaz, total hap=<6.25	gct
9/5/2008	wc-350-08	Preliminary Borings	Soil	Linde	Linde area soil LA-134	Nonhaz, total hap=<6.2	gct
9/5/2008	wc-351-08	Preliminary Borings	Soil	Linde	Linde area soil LA-116	Nonhaz, total hap=<6.2	gct
9/5/2008	wc-352-08	Preliminary Borings	Soil	Linde	Linde area soil LA-145	Nonhaz, total hap=<6.2	gct
9/5/2008	wc-353-08	Preliminary Borings	Soil	Linde	Linde area soil LA-150	Nonhaz, total hap=<6.2	gct
9/5/2008	wc-354-08	Preliminary Borings	Soil	Linde	Linde area soil LA-97	Nonhaz, total hap=<6.2	gct
9/5/2008	wc-355-08	Preliminary Borings	Soil	Linde	Linde area Soil LA-168	Nonhaz, total hap=<5	ermi
9/5/2008	wc-356-08	Preliminary Borings	Soil	Linde	Linde area Soil LA-166	Nonhaz, total hap=<4.97	ermi
9/5/2008	wc-357-08	Preliminary Borings	Soil	Linde	Linde area Soil LA-85	Nonhaz, total hap=<4.97	ermi
9/5/2008	wc-358-08	Preliminary Borings	Soil	Linde	Linde area Soil LA-165	Nonhaz, total hap=<4.96	ermi
9/5/2008	wc-359-08	Preliminary Borings	Soil	Linde	Linde area Soil LA-169	Nonhaz, total hap=<5.03	ermi
9/5/2008	wc-360-08	Preliminary Borings	Soil	Linde	Linde area Soil LA-96	Nonhaz, total hap=<4.96	ermi
9/4/2008	wc-361-08	Preliminary Borings	soil	Pennex	Soil from Heater excavation S. side Pennex	Nonhaz, total hap=<5.03	ermi
9/4/2008	wc-362-08	2 vac boxes	Sludge	Wash Pad	Wash Pad Sludge (F037)	Nonhaz, total hap=9.35	ermi
9/12/2008	wc-363-08	G5 only	water	COKER	Water from S.S. Trench - North	total hap =<0.05	ermi
9/12/2008	wc-364-08	G5 only	water	COKER	Water from S.S. Trench - Middle	total hap =<0.05	gct
9/12/2008	wc-365-08	G5 only	water	COKER	Water from S.S. Trench - South	total hap =<0.05	gct
9/12/2008	wc-366-08	G5 only	water	COKER	Water from N.E.C. Coker Site	total hap =<0.05	gct
9/12/2008	wc-367-08	G5 only	water	COKER	Water from N.W.C. Coker Site	total hap=0.02307	gct
9/12/2008	wc-368-08	G5 only	water	COKER	Water from S.W.C. Coker Site	total hap=0.03158	gct
9/19/2008	wc-369-08		Solid	W. Tank Farm	Sand Blast Sand from Tank 13	Nonhaz	gct
9/24/2008	wc-370-08	Preliminary Borings	soil	Linde	Linde area soil LA-047	Nonhaz, total hap=<50	ermi
9/24/2008	wc-371-08	Preliminary Borings	soil	Linde	Linde area soil LA-055	Nonhaz, total hap=<50	ermi
9/24/2008	wc-372-08	Preliminary Borings	soil	Linde	Linde area soil LA-046	Nonhaz, total hap=<50	ermi
9/24/2008	wc-373-08	Preliminary Borings	soil	Linde	Linde area soil LA-072	Nonhaz, total hap=<50	ermi
9/24/2008	wc-374-08	Preliminary Borings	soil	Linde	Linde area soil LA-056	Nonhaz, total hap=<50	ermi
9/24/2008	wc-375-08	Preliminary Borings	soil	Linde	Linde area soil LA-071	Nonhaz, total hap=<50	ermi
9/24/2008	wc-376-08	Preliminary Borings	soil	Linde	Linde area soil LA-070	Nonhaz, total hap=<50	ermi
9/24/2008	wc-377-08	Preliminary Borings	soil	Linde	Linde area soil LA-057	Nonhaz, total hap=<50	ermi
9/24/2008	wc-378-08	Preliminary Borings	soil	Linde	Linde area soil LA-066	Nonhaz, total hap=<50	ermi
9/24/2008	wc-379-08	Preliminary Borings	soil	Linde	Linde area soil LA-045	Nonhaz, total hap=<50	ermi
9/24/2008	wc-380-08	Preliminary Borings	soil	Linde	Linde area soil LA-058	Nonhaz, total hap=<50	ermi
9/24/2008	wc-381-08	Preliminary Borings	soil	Linde	Linde area soil LA-065	Nonhaz, total hap=<50	ermi
9/23/2008	wc-382-08	Preliminary Borings	soil	Linde	Linde area soil LA-106	Nonhaz, total hap=14.41	ermi

9/23/2008	wc-383-08	Preliminary Borings	soil	Linde	Linde area soil LA-68	Nonhaz, total hap=<50	ermi
9/23/2008	wc-384-08	Preliminary Borings	soil	Linde	Linde area soil LA-67	Nonhaz, total hap=<50	ermi
9/23/2008	wc-385-08	Preliminary Borings	soil	Linde	Linde area soil LA-107	Nonhaz, total hap=<50	ermi
9/23/2008	wc-386-08	Preliminary Borings	soil	Linde	Linde area soil LA-108	Nonhaz, total hap=<50	ermi
9/23/2008	wc-387-08	Preliminary Borings	soil	Linde	Linde area soil LA-037	Nonhaz, total hap=<50	ermi
9/23/2008	wc-388-08	Preliminary Borings	soil	Linde	Linde area soil LA-069	Nonhaz, total hap=<50	ermi
9/23/2008	wc-389-08	Preliminary Borings	soil	Linde	Linde area soil LA-048	Nonhaz, total hap=<50	ermi
9/23/2008	wc-390-08	Preliminary Borings	soil	Linde	Linde area soil LA-038	Nonhaz, total hap=<50	ermi
9/23/2008	wc-391-08	Preliminary Borings	soil	Linde	Linde area soil LA-036	Nonhaz, total hap=<50	ermi
9/23/2008	wc-392-08	Preliminary Borings	soil	Linde	Linde area soil LA-109	Nonhaz, total hap=<50	ermi
9/29/2008	wc-393-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-179	Nonhaz, total hap=13.89	ermi
9/29/2008	wc-394-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-177	Nonhaz, total hap=<6.25	gct
9/29/2008	wc-395-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-175	Nonhaz, total hap=21.738	gct
9/29/2008	wc-396-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-143	Nonhaz, total hap=12	gct
9/29/2008	wc-397-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-152	Nonhaz, total hap=<6.25	gct
9/29/2008	wc-398-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-144	Nonhaz, total hap=<6.25	gct
9/29/2008	wc-399-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-178	Nonhaz, total hap=<6.25	gct
9/29/2008	wc-400-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-160	Nonhaz, total hap=<6.25	gct
9/29/2008	wc-401-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-161	Nonhaz, total hap=<6.25	gct
9/29/2008	wc-402-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-176	Nonhaz, total hap=<6.25	gct
9/29/2008	wc-403-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-174	Nonhaz, total hap=6.36	gct
9/29/2008	wc-404-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-151	Nonhaz, total hap=22.66	gct
9/29/2008	wc-405-08	Preliminary Borings 9/29/08	soil	Linde	Linde area soil LA-172	Nonhaz, total hap=<6.25	gct
10/3/2008	wc-406-08	Cleanout of Storm Water Lift Station	sludge	Coker	Sludge from Storm Water Lift Station Cleanout	Nonhaz, total hap=28.62	gct
10/6/2008	wc-407-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-190	Nonhaz	gct
10/6/2008	wc-408-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-191	Nonhaz, total hap=17.3	gct
10/6/2008	wc-409-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-185	Nonhaz, total hap=0.85	gct
10/6/2008	wc-410-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-186	Nonhaz, total hap=29	gct
10/6/2008	wc-411-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-187	Nonhaz, total hap=18.254	gct
10/6/2008	wc-412-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-192	Nonhaz, total hap=<6.25	gct
10/6/2008	wc-413-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-195	Nonhaz, total hap=<6.25	gct
10/6/2008	wc-414-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-196	Nonhaz, total hap=4.2	gct
10/6/2008	wc-415-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-198	Nonhaz, total hap=<6.25	gct
10/6/2008	wc-416-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-197	Nonhaz, total hap=1.2	gct
10/6/2008	wc-417-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-183	Nonhaz, total hap=3.6	gct
10/6/2008	wc-418-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-194	Nonhaz, total hap=<6.25	gct
10/6/2008	wc-419-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-189	Nonhaz, total hap=0.71	gct
10/6/2008	wc-420-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-180	Nonhaz, total hap=<6.25	gct
10/6/2008	wc-421-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-181	Nonhaz, total hap=0.76	gct
10/6/2008	wc-422-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-182	Nonhaz, total hap=<6.25	gct
10/6/2008	wc-423-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-183	Nonhaz, total hap=<6.25	gct
10/6/2008	wc-424-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-184	Nonhaz, total hap=<6.25	gct
10/6/2008	wc-425-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-187	Nonhaz, total hap=<6.25	gct
10/6/2008	wc-426-08	Preliminary Borings 10/1/08	soil	Linde	Linde area soil LA-188	Nonhaz, total hap=9.8	gct
10/15/2008	wc-427-08	1 drum	Solid		Linde area soil LA-172	Nonhaz, total hap=8.9	gct
10/15/2008	wc-428-08	2 drums	Solid		HC Oil Recovery Iron Bacteria	Nonhaz	gct
					Oil/Asphalt, sand, and Debris	Nonhaz	gct
10/27/2008	wc-429-08	1 vac-box	Sludge				
10/28/2008	wc-430-08	Ongoing Generation	Solid	FCCU	VB27643 Tank Bottoms/Sand	Nonhaz	ermi
10/28/2008	wc-431-08	3 Piles	Soil	CT#7	FCCU Catalyst Fines	Nonhaz	ermi
10/29/2008	wc-432-08	1dm	Sludge		Soil North Side CT-7	Nonhaz, total hap=<5	ermi
10/29/2008	wc-433-08	1dm	Solid	FCCU	Petroleum contaminated gravel, mud, trash	Nonhaz	ermi
10/29/2008	wc-434-08	1dm	Solid		Decant Oil Contaminated Debris	Nonhaz	ermi
					Carbon Fines from Tank 13 project	Nonhaz	ermi

10/29/2008	wc-435-08	1dm	Solid		Engine Oil, Gravel, Dirt	Nonhaz	
10/29/2008	wc-436-08		Solid	BOHO	#3 Boiler firebox ash and sand	Nonhaz	ermi
11/3/2008	wc-437-08	1 DM	Liquid	Bond	Spent Paint Thinner (Bond Painting)	D001, D015, D036, F003, F005	ermi
11/3/2008	wc-438-08	1 pile	soil	FCCU	Soil from Htr. Foundation excavation S.W.C. FCCU	Nonhaz, total hap=1.24	ermi
11/6/2008	wc-439-08	1 transformer	oil		Oil from Transformer #308	TOX <20 ppm, PCB<0.648 ppm	ermi
11/11/2008	wc-440-08	2 drums	Solid	BOHO	#3 Boiler Refractory and Debris	Nonhaz	ermi
11/11/2008	wc-441-08	1 frac tank	sludge		CFVP2369L Tank Bottoms	Nonhaz	ermi
11/11/2008	wc-442-08	1 frac tank	sludge		DB5399 Tank Bottoms, Caustic	D015	ermi
11/17/2008	wc-443-08	1 pile	soil		Soil from N.W.C. Old Field Office	Nonhaz, total hap=115.234	ermi
11/17/2008	wc-444-08	2 piles	soil	CDU	Soil from Trench along road N. of CDU	Nonhaz, total hap=1.41	ermi
11/24/2008	wc-445-08	1 transformer	oil		#4 substation transformer oil	TOX <1000 ppm, PCB<2 ppm	gct
11/25/2008	wc-446-08	2 piles	soil	W.W.T.P.	Soil from East side of clarifiers	Nonhaz, total hap=58.6	gct
11/26/2008	wc-447-08	1 pile	soil	East Tank Farm	Soil west of tank 454	Nonhaz, total hap=408.46	gct
12/1/2008	wc-448-08	1 drum	Solid	Bectel Bldg	carbon from canister at Bectel Bldg.	Nonhaz	ermi
12/1/2008	wc-449-08	1 drum	Solid	PH#2	red dye, debris, dirt from PH#2 area	Nonhaz	ermi
12/1/2008	wc-450-08	1 box	sludge	W.W.T.P.	Sand and mud from excavation of hole in the North Storm Pond	F037	ermi
12/3/2008	wc-451-08	1 pile	soil	FCCU	Soil from W. Side FCCU Control Room	Nonhaz, total hap=2.7	gct
12/9/2008	wc-452-08	1 pile	soil	CT#4/5	Soil from E. side of CT#4/5	Nonhaz, total hap=<5	ermi
12/9/2008	wc-453-08	1 pile	soil	CT#4/5	Soil along road S. of CT#4/5	Nonhaz, total hap=<5	ermi
12/12/2008	wc-454-08	DAF trench Pre-Excavation	soil	W.W.T.P.	DAF Soil S-1	Nonhaz, total hap=128.89	ermi
12/12/2008	wc-455-08	DAF trench Pre-Excavation	soil	W.W.T.P.	DAF Soil S-2	Nonhaz, total hap=7.535	ermi
12/16/2008	wc-456-08	DAF trench Pre-Excavation	soil	W.W.T.P.	DAF Soil S-3	Nonhaz, total hap=10.192	ermi
12/16/2008	wc-457-08	DAF trench Pre-Excavation	soil	W.W.T.P.	DAF Soil S-4	Nonhaz, total hap=2.882	ermi
12/17/2008	wc-458-08	DAF Pit Pre-Excavation	soil	W.W.T.P.	DAF Soil S-5	Nonhaz, total hap=369.064	ermi
10/27-28/08	AEP wells 4-7		soil	AEP	highest value based on 11 soil samples from 6 of the 7 locations	Nonhaz, total hap=3.46	ermi
12/18/2008	wc-459-08	DAF trench Pre-Excavation	soil	W.W.T.P.	DAF Soil S-6	D006, total hap=14.625	ermi
12/18/2008	wc-460-08	DAF trench Pre-Excavation	soil	W.W.T.P.	DAF Soil S-7	Nonhaz, total hap=0.108	ermi
12/22/2008	wc-461-08		soil	W. Tank Farm	Soil from trench on N. side of Tank 11	Nonhaz, total hap=<6.25	gct
12/29/2008	wc-462-08		soil		Petroleum contaminated soil and debris	Nonhaz, total hap=<6.25	gct
12/29/2008	wc-463-08		solid	Trucking	Debris, Diesel, and Absorbents from Trucking	Nonhaz	ermi
1/2/2009	wc-001-09		soil	CT#8	soil from N.W.C. CT#8	Nonhaz, total hap=<5	ermi
1/2/2009	wc-002-09		soil	SRU#2	soil from south of SRU#2	Nonhaz, total hap=<5	ermi
1/2/2009	wc-003-09		soil	W. Tank Farm	Soil from S.E.C. Tank 11	No Impact	ermi
1/7/2009	wc-004-09		solid	CCR	Spent CCR Catalyst	D015	ermi
1/13/2009	wc-005-09		solid	CCR	Spent Desiccant from CCR Air Dryer	Nonhaz	ermi
1/14/2009	wc-006-09		solid	Lab	Carbon from vent hood above carbon residue bath	Nonhaz	ermi
1/14/2009	wc-007-09	1 drum	soil		Soil, Water, Gravel	Nonhaz, total hap=<6.25	ermi
1/14/2009	wc-462-08 Resample	8 drums	soil		Petroleum contaminated soil and debris	Nonhaz, total hap=<6.25	ermi
1/18/2009	wc-008-09	1 transformer	Oil	CDU	Deashed transformer oil	D015, TOX <1000 ppm, PCB <50	gct
1/18/2009	wc-009-09	1 dm	solid		Petroleum Solids and Sawdust (RB25960AL)	D015	ermi
1/21/2009	wc-010-09	1 dm	solid	W. Tank Farm	Lead Paint Chips from Tank 13	Nonhaz	ermi
1/21/2009	wc-011-09	1 dm	solid	FCCU	Hydraulic oil filters from FCCU slide valves	Nonhaz	ermi
1/21/2009	wc-012-09	1 pile	soil	W. Tank Farm	Soil N.E. Tank-108	Nonhaz, total hap=<5	ermi
1/21/2009	wc-013-09	1 pile	soil	W. Tank Farm	Soil S.E. Tank-108	deg no impact	ermi
1/22/2009	wc-014-09	1 pile	soil	W. Tank Farm	Soil W. of Salt Plant	deg no impact	ermi
2/4/2009	wc-015-09	1 pile	soil	BOHO	Soil Trench S. Side BoHo	Nonhaz, total hap=1.089	ermi
2/11/2009	wc-016-09	1 vac-box	sludge	W.W.T.P.	Digester Box clean-out	Nonhaz	ermi
2/11/2009	wc-017-09	1 pile	soil		Soil N. of P.B. Office	deg no impact	ermi
2/23/2009	wc-018-09	1 rolloff	solid		Petroleum Solids and Sawdust (RB27690ML)	Nonhaz	gct
3/4/2009	wc-019-09		soil	E. Tank Farm	Soil from N.W.C. Tank 470 Dike wall	deg no impact	gct
3/4/2009	wc-020-09		soil	E. Tank Farm	Soil from S. Side Tank 461	deg no impact	gct
3/5/2009	wc-021-09		soil	W. Tank Farm	Soil from N. & W. of Tank 1	deg no impact	gct
3/5/2009	wc-022-09		soil	W. Tank Farm	Soil from S.W.C. Tank 2	deg no impact	gct
3/11/2009	wc-023-09		solid	W.W.T.P.	Spent Carbon Canister from W.W.T.P. Sample Station	Nonhaz	ermi
3/19/2009	wc-024-09	Prejob-sample	Sludge	WWTP	Final Pond Solids	Nonhaz	gct
3/19/2009	wc-024-09	Prejob-sample	Water	WWTP	Final Pond Water	Nonhaz	gct
3/18/2009	wc-025-09	2 drums	solid		Sand blast Sand from old machine shop	Nonhaz	ermi
3/20/2009	wc-026-09		soil		soil and asphalt south of diesel rack	Nonhaz, total hap=<2.86	ermi
3/26/2009	wc-027-09	1 rolloff	soil	W. Tank Farm	Tank 121 asphalt, sand, and soil	Nonhaz, pending HAPs	ermi
3/30/2009	wc-028-09	1 flow bin	Solid		Spent hydrotreating catalyst (K171)	K171	ermi
4/3/2009	wc-029-09	1 rolloff	Solid		Petroleum Solids and Absorbents (RB27142ML)	Nonhaz	gct
4/14/2009	wc-030-09	1 pile	Soil		Soil W. of BoHo	Nonhaz	ermi
4/14/2009	wc-031-09	1 dm	Liquid		Spent Paint Thinner from bond painting	D001	ermi
4/14/2009	wc-027-09 Resample	1 rolloff	soil	W. Tank Farm	Tank 121 asphalt, sand, and soil		ermi